

This worksheet applies to AccuLoad II operating with RBM-00 firmware. (Refer to Operator Reference Manual MN06091L for complete program entry descriptions.)

Security Access Code: _____

Company Name: _____

Prepared By: _____

Date: _____

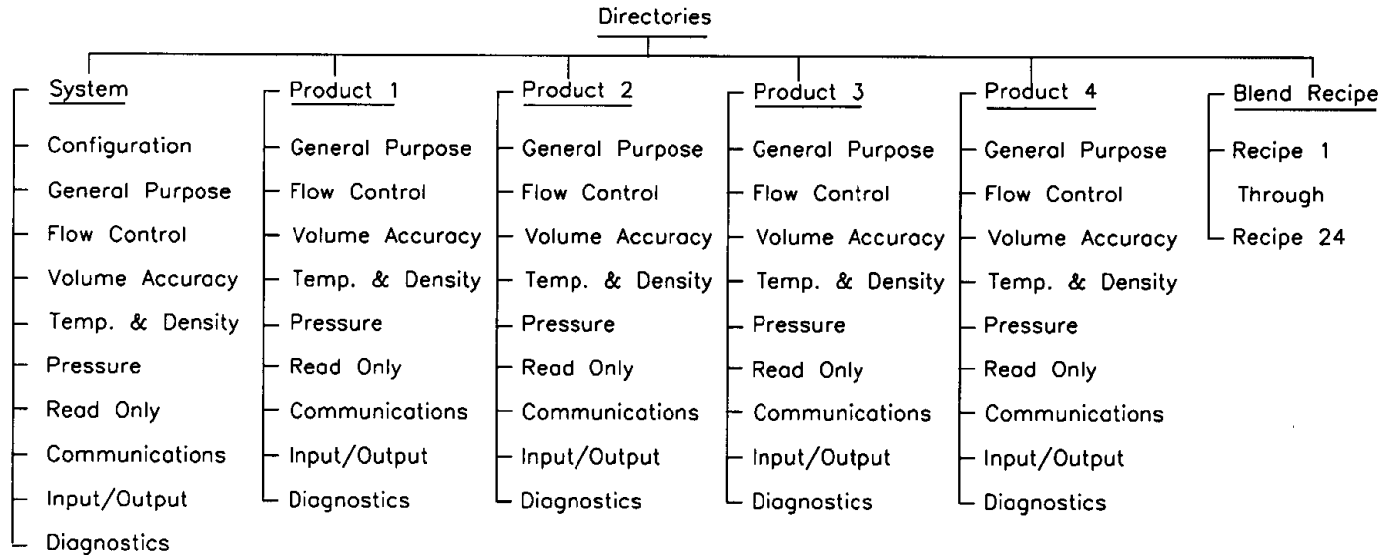
Unit/Meter No.: _____

Location: _____



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Program Code	Function Code	Description	Entry	Program Code
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System Directories

000		System Configuration Directory		
001	Product 1 Configuration	Enter: "0" Not Used "1" Side 1 "2" Side 2	—	001

Note: Product 1 must not be configured on the same side as Product 2 unless only one side of the unit is being used.

002	Product 2 Configuration	Enter: "0" Not Used "1" Side 1 "2" Side 2	—	002
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Note: Product 2 must not be configured on the same side as Product 1 unless only one side of the unit is being used.

003	Product 3 Configuration	Enter: "0" Not Used "1" Side 1 "2" Side 2	—	003
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004	Product 4 Configuration	Enter: "0" Not Used "1" Side 1 "2" Side 2	—	004
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005	Recipe Allocation Side 1	Enter: Two digit number indicating the number of recipes allocated to side 1 of the unit. (e.g., 12) indicates 12 recipes allocated to side 1).	—	005
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Note: The remaining recipes will automatically be allocated to side 2 of the unit.

Program Code	Function Code	Description	Entry	Program Code
006	AC Output Relay 1 Terminals 89 & 90	Enter: Three digit number; the first digit indicating the side the relay is assigned to and the second and third digits indicating the function of the relay.		006
		1st digit - "0" Not Used "1" Side 1 "2" Side 2		
		2nd and 3rd digits -		
		"00" No Assignment	(N/A)	
		"01" Additive Relay 1	(ADD1)	
		"02" Additive Relay 2	(ADD2)	
		"03" Additive Relay 3	(ADD3)	
		"04" Additive Relay 4	(ADD4)	
		"05" Additive Relay 5	(ADD5)	
		"06" Additive Relay 6	(ADD6)	
		"07" Additive Relay 7	(ADD7)	
		"08" Additive Relay 8	(ADD8)	
		"09" Additive Pump 1	(ADP1)	
		"10" Additive Pump 2	(ADP2)	
		"11" Additive Pump 3	(ADP3)	
		"12" Additive Pump 4	(ADP4)	
		"13" Additive Pump 5	(ADP5)	
		"14" Additive Pump 6	(ADP6)	
		"15" Additive Pump 7	(ADP7)	
		"16" Additive Pump 8	(ADP8)	
		"17" Alarm Relay	(ALR)	— — —

Note: 1. When using three or four products this relay must be programmed "00" (No Assignment).
2. When using a Smart Additive Subsystem, options 01-08 (Additive Relays) are not available for selection.

Program Code	Function Code	Description	Entry	Program Code
007	AC Output Relay 2 Terminals 91 & 92	Enter: Three digit number; the first digit indicating the side the relay is assigned to and the second and third digits indicating the function of the relay.		007
		1st digit - "0" Not Used "1" Side 1 "2" Side 2		
		2nd and 3rd digits -		
		"00" No Assignment	(N/A)	
		"01" Additive Relay 1	(ADD1)	
		"02" Additive Relay 2	(ADD2)	
		"03" Additive Relay 3	(ADD3)	
		"04" Additive Relay 4	(ADD4)	
		"05" Additive Relay 5	(ADD5)	
		"06" Additive Relay 6	(ADD6)	
		"07" Additive Relay 7	(ADD7)	
		"08" Additive Relay 8	(ADD8)	
		"09" Additive Pump 1	(ADP1)	
		"10" Additive Pump 2	(ADP2)	
		"11" Additive Pump 3	(ADP3)	
		"12" Additive Pump 4	(ADP4)	
		"13" Additive Pump 5	(ADP5)	
		"14" Additive Pump 6	(ADP6)	
		"15" Additive Pump 7	(ADP7)	
		"16" Additive Pump 8	(ADP8)	
		"17" Alarm Relay	(ALR)	— — —

Note: 1. When using three or four products this relay must be programmed "00" (No Assignment).
2. When using a Smart Additive Subsystem, options 01-08 (Additive Relays) are not available for selection.

Program Code	Function Code	Description	Entry	Program Code
008	AC Output Relay 3 Terminals 93 & 94	Enter: Three digit number; the first digit indicating the side the relay is assigned to and the second and third digits indicating the function of the relay.		008
		1st digit - "0" Not Used "1" Side 1 "2" Side 2		
		2nd and 3rd digits -		
		"00" No Assignment	(N/A)	
		"01" Additive Relay 1	(ADD1)	
		"02" Additive Relay 2	(ADD2)	
		"03" Additive Relay 3	(ADD3)	
		"04" Additive Relay 4	(ADD4)	
		"05" Additive Relay 5	(ADD5)	
		"06" Additive Relay 6	(ADD6)	
		"07" Additive Relay 7	(ADD7)	
		"08" Additive Relay 8	(ADD8)	
		"09" Additive Pump 1	(ADP1)	
		"10" Additive Pump 2	(ADP2)	
		"11" Additive Pump 3	(ADP3)	
		"12" Additive Pump 4	(ADP4)	
		"13" Additive Pump 5	(ADP5)	
		"14" Additive Pump 6	(ADP6)	
		"15" Additive Pump 7	(ADP7)	
		"16" Additive Pump 8	(ADP8)	
		"17" Alarm Relay	(ALR)	
		"18" Invalid Assignment		
		"19" Invalid Assignment		
		"20" Invalid Assignment		
		"21" Invalid Assignment		
		"22" General Relay	(GEN) _ _ _ _	

Note: When using a Smart Additive Subsystem, options 01-08 (Additive Relays) are not available for selection.

Program Code	Function Code	Description	Entry	Program Code
009	AC Output Relay 4 Terminals 95 & 96	Enter: Three digit number; the first digit indicating the side the relay is assigned to and the second and third digits indicating the function of the relay.		009
		1st digit - "0" Not Used "1" Side 1 "2" Side 2		
		2nd and 3rd digits -		
		"00" No Assignment	(N/A)	
		"01" Additive Relay 1	(ADD1)	
		"02" Additive Relay 2	(ADD2)	
		"03" Additive Relay 3	(ADD3)	
		"04" Additive Relay 4	(ADD4)	
		"05" Additive Relay 5	(ADD5)	
		"06" Additive Relay 6	(ADD6)	
		"07" Additive Relay 7	(ADD7)	
		"08" Additive Relay 8	(ADD8)	
		"09" Additive Pump 1	(ADP1)	
		"10" Additive Pump 2	(ADP2)	
		"11" Additive Pump 3	(ADP3)	
		"12" Additive Pump 4	(ADP4)	
		"13" Additive Pump 5	(ADP5)	
		"14" Additive Pump 6	(ADP6)	
		"15" Additive Pump 7	(ADP7)	
		"16" Additive Pump 8	(ADP8)	
		"17" Alarm Relay	(ALR)	
		"18" Invalid Assignment		
		"19" Invalid Assignment		
		"20" Invalid Assignment		
		"21" Invalid Assignment		
		"22" General Relay	(GEN) _ _ _ _	

Note: When using a Smart Additive Subsystem, options 01-08 (Additive Relays) are not available for selection.

Program Code	Function Code	Description	Entry	Program Code
010	AC Output Relay 5 Terminals 87 & 88	Enter: Three digit number; the first digit indicating the side the relay is assigned to and the second and third digits indicating the function of the relay.		010
		1st digit - "0" Not Used "1" Side 1 "2" Side 2		
		2nd and 3rd digits -		
		"00" No Assignment	(N/A)	
		"01" Additive Relay 1	(ADD1)	
		"02" Additive Relay 2	(ADD2)	
		"03" Additive Relay 3	(ADD3)	
		"04" Additive Relay 4	(ADD4)	
		"05" Additive Relay 5	(ADD5)	
		"06" Additive Relay 6	(ADD6)	
		"07" Additive Relay 7	(ADD7)	
		"08" Additive Relay 8	(ADD8)	
		"09" Additive Pump 1	(ADP1)	
		"10" Additive Pump 2	(ADP2)	
		"11" Additive Pump 3	(ADP3)	
		"12" Additive Pump 4	(ADP4)	
		"13" Additive Pump 5	(ADP5)	
		"14" Additive Pump 6	(ADP6)	
		"15" Additive Pump 7	(ADP7)	
		"16" Additive Pump 8	(ADP8)	
		"17" Alarm Relay	(ALR)	
		"18" Pump-Product 1	(PMP1)	
		"19" Pump-Product 2	(PMP2)	
		"20" Pump-Product 3	(PMP3)	
		"21" Pump-Product 4	(PMP4)	

Note: When using a Smart Additive Subsystem, options 01-08 (Additive Relays) are not available for selection.

Program Code	Function Code	Description	Entry	Program Code
011	AC Output Relay 6 Terminals 84 & 85	Enter: Three digit number; the first digit indicating the side the relay is assigned to and the second and third digits indicating the function of the relay.		011
		1st digit - "0" Not Used "1" Side 1 "2" Side 2		
		2nd and 3rd digits -		
		"00" No Assignment	(N/A)	
		"01" Additive Relay 1	(ADD1)	
		"02" Additive Relay 2	(ADD2)	
		"03" Additive Relay 3	(ADD3)	
		"04" Additive Relay 4	(ADD4)	
		"05" Additive Relay 5	(ADD5)	
		"06" Additive Relay 6	(ADD6)	
		"07" Additive Relay 7	(ADD7)	
		"08" Additive Relay 8	(ADD8)	
		"09" Additive Pump 1	(ADP1)	
		"10" Additive Pump 2	(ADP2)	
		"11" Additive Pump 3	(ADP3)	
		"12" Additive Pump 4	(ADP4)	
		"13" Additive Pump 5	(ADP5)	
		"14" Additive Pump 6	(ADP6)	
		"15" Additive Pump 7	(ADP7)	
		"16" Additive Pump 8	(ADP8)	
		"17" Alarm Relay	(ALR)	
		"18" Pump-Product 1	(PMP1)	
		"19" Pump-Product 2	(PMP2)	
		"20" Pump-Product 3	(PMP3)	
		"21" Pump-Product 4	(PMP4)	

Note: When using a Smart Additive Subsystem, options 01-08 (Additive Relays) are not available for selection.

Program Code	Function Code	Description	Entry	Program Code
012	AC Output Relay 7 Terminals 124 & 125	Enter: Three digit number; the first digit indicating the side the relay is assigned to and the second and third digits indicating the function of the relay.		012
		1st digit - "0" Not Used "1" Side 1 "2" Side 2		
		2nd and 3rd digits -		
		"00" No Assignment	(N/A)	
		"01" Additive Relay 1	(ADD1)	
		"02" Additive Relay 2	(ADD2)	
		"03" Additive Relay 3	(ADD3)	
		"04" Additive Relay 4	(ADD4)	
		"05" Additive Relay 5	(ADD5)	
		"06" Additive Relay 6	(ADD6)	
		"07" Additive Relay 7	(ADD7)	
		"08" Additive Relay 8	(ADD8)	
		"09" Additive Pump 1	(ADP1)	
		"10" Additive Pump 2	(ADP2)	
		"11" Additive Pump 3	(ADP3)	
		"12" Additive Pump 4	(ADP4)	
		"13" Additive Pump 5	(ADP5)	
		"14" Additive Pump 6	(ADP6)	
		"15" Additive Pump 7	(ADP7)	
		"16" Additive Pump 8	(ADP8)	
		"17" Alarm Relay	(ALR)	___

Note: 1. When using four products this relay must be programmed "00" (No Assignment).
2. When using a Smart Additive Subsystem, options 01-08 (Additive Relays) are not available for selection.

Program Code	Function Code	Description	Entry	Program Code
013	AC Output Relay 8 Terminals 126 & 127	Enter: Three digit number; the first digit indicating the side the relay is assigned to and the second and third digits indicating the function of the relay.		013
		1st digit - "0" Not Used "1" Side 1 "2" Side 2		
		2nd and 3rd digits -		
		"00" No Assignment	(N/A)	
		"01" Additive Relay 1	(ADD1)	
		"02" Additive Relay 2	(ADD2)	
		"03" Additive Relay 3	(ADD3)	
		"04" Additive Relay 4	(ADD4)	
		"05" Additive Relay 5	(ADD5)	
		"06" Additive Relay 6	(ADD6)	
		"07" Additive Relay 7	(ADD7)	
		"08" Additive Relay 8	(ADD8)	
		"09" Additive Pump 1	(ADP1)	
		"10" Additive Pump 2	(ADP2)	
		"11" Additive Pump 3	(ADP3)	
		"12" Additive Pump 4	(ADP4)	
		"13" Additive Pump 5	(ADP5)	
		"14" Additive Pump 6	(ADP6)	
		"15" Additive Pump 7	(ADP7)	
		"16" Additive Pump 8	(ADP8)	
		"17" Alarm Relay	(ALR)	— — —

Note: 1. When using four products this relay must be programmed "00" (No Assignment).
2. When using a Smart Additive Subsystem, options 01-08 (Additive Relays) are not available for selection.

Program Code	Function Code	Description	Entry	Program Code
014	AC Output Relay 9 Terminals 128 & 129	Enter: Three digit number; the first digit indicating the side the relay is assigned to and the second and third digits indicating the function of the relay.		014
		1st digit - "0" Not Used "1" Side 1 "2" Side 2		
		2nd and 3rd digits -		
		"00" No Assignment	(N/A)	
		"01" Additive Relay 1	(ADD1)	
		"02" Additive Relay 2	(ADD2)	
		"03" Additive Relay 3	(ADD3)	
		"04" Additive Relay 4	(ADD4)	
		"05" Additive Relay 5	(ADD5)	
		"06" Additive Relay 6	(ADD6)	
		"07" Additive Relay 7	(ADD7)	
		"08" Additive Relay 8	(ADD8)	
		"09" Additive Pump 1	(ADP1)	
		"10" Additive Pump 2	(ADP2)	
		"11" Additive Pump 3	(ADP3)	
		"12" Additive Pump 4	(ADP4)	
		"13" Additive Pump 5	(ADP5)	
		"14" Additive Pump 6	(ADP6)	
		"15" Additive Pump 7	(ADP7)	
		"16" Additive Pump 8	(ADP8)	
		"17" Alarm Relay	(ALR)	
		"18" Invalid Assignment		
		"19" Invalid Assignment		
		"20" Invalid Assignment		
		"21" Invalid Assignment		
		"22" General Relay	(GEN) _ _ _ _	

Note: When using a Smart Additive Subsystem, options 01-08 (Additive Relays) are not available for selection.

Program Code	Function Code	Description	Entry	Program Code
015	AC Output Relay 10 Terminals 130 & 131	Enter: Three digit number; the first digit indicating the side the relay is assigned to and the second and third digits indicating the function of the relay.		015
		1st digit - "0" Not Used "1" Side 1 "2" Side 2		
		2nd and 3rd digits -		
		"00" No Assignment	(N/A)	
		"01" Additive Relay 1	(ADD1)	
		"02" Additive Relay 2	(ADD2)	
		"03" Additive Relay 3	(ADD3)	
		"04" Additive Relay 4	(ADD4)	
		"05" Additive Relay 5	(ADD5)	
		"06" Additive Relay 6	(ADD6)	
		"07" Additive Relay 7	(ADD7)	
		"08" Additive Relay 8	(ADD8)	
		"09" Additive Pump 1	(ADP1)	
		"10" Additive Pump 2	(ADP2)	
		"11" Additive Pump 3	(ADP3)	
		"12" Additive Pump 4	(ADP4)	
		"13" Additive Pump 5	(ADP5)	
		"14" Additive Pump 6	(ADP6)	
		"15" Additive Pump 7	(ADP7)	
		"16" Additive Pump 8	(ADP8)	
		"17" Alarm Relay	(ALR)	
		"18" Invalid Assignment		
		"19" Invalid Assignment		
		"20" Invalid Assignment		
		"21" Invalid Assignment		
		"22" General Relay	(GEN) _ _ _ _	

Note: When using a Smart Additive Subsystem, options 01-08 (Additive Relays) are not available for selection.

Program Code	Function Code	Description	Entry	Program Code
016	AC Output Relay 11 Terminals 121 & 122	Enter: Three digit number; the first digit indicating the side the relay is assigned to and the second and third digits indicating the function of the relay.		016
		1st digit - "0" Not Used "1" Side 1 "2" Side 2		
		2nd and 3rd digits -		
		"00" No Assignment	(N/A)	
		"01" Additive Relay 1	(ADD1)	
		"02" Additive Relay 2	(ADD2)	
		"03" Additive Relay 3	(ADD3)	
		"04" Additive Relay 4	(ADD4)	
		"05" Additive Relay 5	(ADD5)	
		"06" Additive Relay 6	(ADD6)	
		"07" Additive Relay 7	(ADD7)	
		"08" Additive Relay 8	(ADD8)	
		"09" Additive Pump 1	(ADP1)	
		"10" Additive Pump 2	(ADP2)	
		"11" Additive Pump 3	(ADP3)	
		"12" Additive Pump 4	(ADP4)	
		"13" Additive Pump 5	(ADP5)	
		"14" Additive Pump 6	(ADP6)	
		"15" Additive Pump 7	(ADP7)	
		"16" Additive Pump 8	(ADP8)	
		"17" Alarm Relay	(ALR)	
		"18" Pump-Product 1	(PMP1)	
		"19" Pump-Product 2	(PMP2)	
		"20" Pump-Product 3	(PMP3)	
		"21" Pump-Product 4	(PMP4)	

Note: When using a Smart Additive Subsystem, options 01-08 (Additive Relays) are not available for selection.

Program Code	Function Code	Description	Entry	Program Code
017	AC Output Relay 12 Terminals 119 & 120	Enter: Three digit number; the first digit indicating the side the relay is assigned to and the second and third digits indicating the function of the relay.		017
		1st digit - "0" Not Used "1" Side 1 "2" Side 2		
		2nd and 3rd digits -		
		"00" No Assignment	(N/A)	
		"01" Additive Relay 1	(ADD1)	
		"02" Additive Relay 2	(ADD2)	
		"03" Additive Relay 3	(ADD3)	
		"04" Additive Relay 4	(ADD4)	
		"05" Additive Relay 5	(ADD5)	
		"06" Additive Relay 6	(ADD6)	
		"07" Additive Relay 7	(ADD7)	
		"08" Additive Relay 8	(ADD8)	
		"09" Additive Pump 1	(ADP1)	
		"10" Additive Pump 2	(ADP2)	
		"11" Additive Pump 3	(ADP3)	
		"12" Additive Pump 4	(ADP4)	
		"13" Additive Pump 5	(ADP5)	
		"14" Additive Pump 6	(ADP6)	
		"15" Additive Pump 7	(ADP7)	
		"16" Additive Pump 8	(ADP8)	
		"17" Alarm Relay	(ALR)	
		"18" Pump-Product 1	(PMP1)	
		"19" Pump-Product 2	(PMP2)	
		"20" Pump-Product 3	(PMP3)	
		"21" Pump-Product 4	(PMP4)	

Note: When using a Smart Additive Subsystem, options 01-08 (Additive Relays) are not available for selection.

Program Code	Function Code	Description	Entry	Program Code
018	DC Output Relay 1 Terminals 9 & 10 (w/o Quad OPV) Terminals 11 & 10 (on Quad OPV)	Enter: Three digit number; the first digit indicating the side the relay is assigned to and the second and third digits indicating the function of the relay. 1st digit - "0" Not Used "1" Side 1 "2" Side 2 2nd and 3rd digits - "00" No Assignment "01" Additive Relay 1 "02" Additive Relay 2 "03" Additive Relay 3 "04" Additive Relay 4 "05" Additive Relay 5 "06" Additive Relay 6 "07" Additive Relay 7 "08" Additive Relay 8 "09" Additive Pump 1 "10" Additive Pump 2 "11" Additive Pump 3 "12" Additive Pump 4 "13" Additive Pump 5 "14" Additive Pump 6 "15" Additive Pump 7 "16" Additive Pump 8 "17" Pulse Output	(N/A) (ADD1) (ADD2) (ADD3) (ADD4) (ADD5) (ADD6) (ADD7) (ADD8) (ADP1) (ADP2) (ADP3) (ADP4) (ADP5) (ADP6) (ADP7) (ADP8) (POT)	018

Note: When using a Smart Additive Subsystem, options 01-08 (Additive Relays) are not available for selection.

Program Code	Function Code	Description	Entry	Program Code
019	DC Output Relay 2 Terminals 57 & 58 (w/o Quad OPV) Terminals 15 & 14 (on Quad OPV)	Enter: Three digit number; the first digit indicating the side the relay is assigned to and the second and third digits indicating the function of the relay. 1st digit - "0" Not Used "1" Side 1 "2" Side 2 2nd and 3rd digits - "00" No Assignment "01" Additive Relay 1 "02" Additive Relay 2 "03" Additive Relay 3 "04" Additive Relay 4 "05" Additive Relay 5 "06" Additive Relay 6 "07" Additive Relay 7 "08" Additive Relay 8 "09" Additive Pump 1 "10" Additive Pump 2 "11" Additive Pump 3 "12" Additive Pump 4 "13" Additive Pump 5 "14" Additive Pump 6 "15" Additive Pump 7 "16" Additive Pump 8 "17" Pulse Output	(N/A) (ADD1) (ADD2) (ADD3) (ADD4) (ADD5) (ADD6) (ADD7) (ADD8) (ADP1) (ADP2) (ADP3) (ADP4) (ADP5) (ADP6) (ADP7) (ADP8) (POT)	019

Note: When using a Smart Additive Subsystem, options 01-08 (Additive Relays) are not available for selection.

Program Code	Function Code	Description	Entry	Program Code
020	DC Output Relay 3 Terminals 13 & 12 on Quad OPV	Enter: Three digit number; the first digit indicating the side the relay is assigned to and the second and third digits indicating the function of the relay.		020
		1st digit - "0" Not Used "1" Side 1 "2" Side 2		
		2nd and 3rd digits -		
		"00" No Assignment	(N/A)	
		"01" Additive Relay 1	(ADD1)	
		"02" Additive Relay 2	(ADD2)	
		"03" Additive Relay 3	(ADD3)	
		"04" Additive Relay 4	(ADD4)	
		"05" Additive Relay 5	(ADD5)	
		"06" Additive Relay 6	(ADD6)	
		"07" Additive Relay 7	(ADD7)	
		"08" Additive Relay 8	(ADD8)	
		"09" Additive Pump 1	(ADP1)	
		"10" Additive Pump 2	(ADP2)	
		"11" Additive Pump 3	(ADP3)	
		"12" Additive Pump 4	(ADP4)	
		"13" Additive Pump 5	(ADP5)	
		"14" Additive Pump 6	(ADP6)	
		"15" Additive Pump 7	(ADP7)	
		"16" Additive Pump 8	(ADP8)	
		"17" Pulse Output	(POT)	___

Note: 1. This code is only available for use if the Quad OPV option has been purchased with the AccuLoad II.
2. When using a Smart Additive Subsystem, options 01-08 (Additive Relays) are not available for selection.

Program Code	Function Code	Description	Entry	Program Code	
021	DC Output Relay 4 Terminals 17 & 16 on Quad OPV	Enter: Three digit number; the first digit indicating the side the relay is assigned to and the second and third digits indicating the function of the relay. 1st digit - "0" Not Used "1" Side 1 "2" Side 2 2nd and 3rd digits - "00" No Assignment (N/A) "01" Additive Relay 1 (ADD1) "02" Additive Relay 2 (ADD2) "03" Additive Relay 3 (ADD3) "04" Additive Relay 4 (ADD4) "05" Additive Relay 5 (ADD5) "06" Additive Relay 6 (ADD6) "07" Additive Relay 7 (ADD7) "08" Additive Relay 8 (ADD8) "09" Additive Pump 1 (ADP1) "10" Additive Pump 2 (ADP2) "11" Additive Pump 3 (ADP3) "12" Additive Pump 4 (ADP4) "13" Additive Pump 5 (ADP5) "14" Additive Pump 6 (ADP6) "15" Additive Pump 7 (ADP7) "16" Additive Pump 8 (ADP8) "17" Pulse Output (POT)			021

Note: 1. This code is only available for use if the Quad OPV option has been purchased with the AccuLoad II.
2. When using a Smart Additive Subsystem, options 01-08 (Additive Relays) are not available for selection.

Program Code	Function Code	Description	Entry	Program Code
022	AC Input 1 Terminals 98 & 101	Enter: Three digit number; the first digit indicating the side the relay is assigned to and the second and third digits indicating the function of the relay. 1st digit - "0" Not Used "1" Side 1 "2" Side 2 2nd and 3rd digits - "00" No Assignment (N/A) "01" Additive Feedback 1 (afb1) "02" Additive Feedback 2 (afb2) "03" Additive Feedback 3 (afb3) "04" Additive Feedback 4 (afb4) "05" Additive Feedback 5 (afb5) "06" Additive Feedback 6 (afb6) "07" Additive Feedback 7 (afb7) "08" Additive Feedback 8 (afb8) "09" First/Second High Flow (fsc) "10" Printer Tray Switch (PTS)* "11" Permissive 1 Contact (PrC1) "12" Permissive 2 Contact (PrC2) "13" Invalid Assignment "14" Invalid Assignment "15" Valve Power (VPW) "16" Valve Stem-Product 1 (VST1) "17" Valve Stem-Product 2 (VST2) "18" Valve Stem-Product 3 (VST3) "19" Valve Stem-Product 4 (VST4)		022

- Note:**
1. *Or can be used for Master Reset.
 2. The respective additive injector, additive feedback and additive pump cannot be configured to opposite delivery positions.
 3. First/Second High Flow, Printer Tray Switch, Valve Power, Permissive 1 Contact and Permissive 2 Contact may each be selected for two different relays, one for each delivery position.
 4. When using a Smart Additive Subsystem, options 01-08 (Additive Feedbacks) are not available for selection.

Program Code	Function Code	Description	Entry	Program Code
023	AC Input 2 Terminals 99 & 101	Enter: Three digit number; the first digit indicating the side the relay is assigned to and the second and third digits indicating the function of the relay. 1st digit - "0" Not Used "1" Side 1 "2" Side 2 2nd and 3rd digits - "00" No Assignment (N/A) "01" Additive Feedback 1 (afb1) "02" Additive Feedback 2 (afb2) "03" Additive Feedback 3 (afb3) "04" Additive Feedback 4 (afb4) "05" Additive Feedback 5 (afb5) "06" Additive Feedback 6 (afb6) "07" Additive Feedback 7 (afb7) "08" Additive Feedback 8 (afb8) "09" First/Second High Flow (fsc) "10" Printer Tray Switch (PTS)* "11" Permissive 1 Contact (PrC1) "12" Permissive 2 Contact (PrC2) "13" Invalid Assignment "14" Invalid Assignment "15" Valve Power (VPW) "16" Valve Stem-Product 1 (VST1) "17" Valve Stem-Product 2 (VST2) "18" Valve Stem-Product 3 (VST3) "19" Valve Stem-Product 4 (VST4)	— — —	023

- Note:**
1. *Or can be used for Master Reset.
 2. The respective additive injector, additive feedback and additive pump cannot be configured to opposite delivery positions.
 3. First/Second High Flow, Printer Tray Switch, Valve Power, Permissive 1 Contact and Permissive 2 Contact may each be selected for two different relays, one for each delivery position.
 4. When using a Smart Additive Subsystem, options 01-08 (Additive Feedbacks) are not available for selection.

Program Code	Function Code	Description	Entry	Program Code
024	AC Input 3 Terminals 100 & 101	Enter: Three digit number; the first digit indicating the side the relay is assigned to and the second and third digits indicating the function of the relay. 1st digit - "0" Not Used "1" Side 1 "2" Side 2 2nd and 3rd digits - "00" No Assignment (N/A) "01" Additive Feedback 1 (afb1) "02" Additive Feedback 2 (afb2) "03" Additive Feedback 3 (afb3) "04" Additive Feedback 4 (afb4) "05" Additive Feedback 5 (afb5) "06" Additive Feedback 6 (afb6) "07" Additive Feedback 7 (afb7) "08" Additive Feedback 8 (afb8) "09" First/Second High Flow (fsc) "10" Printer Tray Switch (pts)* "11" Permissive 1 Contact (prc1) "12" Permissive 2 Contact (prc2) "13" Invalid Assignment "14" Invalid Assignment "15" Valve Power (vpw) "16" Valve Stem-Product 1 (vst1) "17" Valve Stem-Product 2 (vst2) "18" Valve Stem-Product 3 (vst3) "19" Valve Stem-Product 4 (vst4)		024

- Note:**
1. *Or can be used for Master Reset.
 2. The respective additive injector, additive feedback and additive pump cannot be configured to opposite delivery positions.
 3. First/Second High Flow, Printer Tray Switch, Valve Power, Permissive 1 Contact and Permissive 2 Contact may each be selected for two different relays, one for each delivery position.
 4. When using a Smart Additive Subsystem, options 01-08 (Additive Feedbacks) are not available for selection.

Program Code	Function Code	Description	Entry	Program Code
025	AC Input 4 Terminals 103 & 105	Enter: Three digit number; the first digit indicating the side the relay is assigned to and the second and third digits indicating the function of the relay. 1st digit - "0" Not Used "1" Side 1 "2" Side 2 2nd and 3rd digits - "00" No Assignment (N/A) "01" Additive Feedback 1 (AFB1) "02" Additive Feedback 2 (AFB2) "03" Additive Feedback 3 (AFB3) "04" Additive Feedback 4 (AFB4) "05" Additive Feedback 5 (AFB5) "06" Additive Feedback 6 (AFB6) "07" Additive Feedback 7 (AFB7) "08" Additive Feedback 8 (AFB8) "09" First/Second High Flow (FSC) "10" Printer Tray Switch (PTS)* "11" Permissive 1 Contact (PRC1) "12" Permissive 2 Contact (PRC2) "13" Remote Start Side 1 "14" Invalid Assignment "15" Valve Power (VPW) "16" Valve Stem-Product 1 (VST1) "17" Valve Stem-Product 2 (VST2) "18" Valve Stem-Product 3 (VST3) "19" Valve Stem-Product 4 (VST4)	— — —	025

- Note:**
1. *Or can be used for Master Reset.
 2. The respective additive injector, additive feedback and additive pump cannot be configured to opposite delivery positions.
 3. First/Second High Flow, Printer Tray Switch, Valve Power, Permissive 1 Contact and Permissive 2 Contact may each be selected for two different relays, one for each delivery position.
 4. When using a Smart Additive Subsystem, options 01-08 (Additive Feedbacks) are not available for selection.
 5. For "Remote Start" operation this code must be programmed "13" (Remote Start Side 1), and jumpers must be installed as shown in the Installation Manual (MN06089).

Program Code	Function Code	Description	Entry	Program Code
026	AC Input 5 Terminals 104 & 105	Enter: Three digit number; the first digit indicating the side the relay is assigned to and the second and third digits indicating the function of the relay. 1st digit - "0" Not Used "1" Side 1 "2" Side 2 2nd and 3rd digits - "00" No Assignment (N/A) "01" Additive Feedback 1 (afb1) "02" Additive Feedback 2 (afb2) "03" Additive Feedback 3 (afb3) "04" Additive Feedback 4 (afb4) "05" Additive Feedback 5 (afb5) "06" Additive Feedback 6 (afb6) "07" Additive Feedback 7 (afb7) "08" Additive Feedback 8 (afb8) "09" First/Second High Flow (fsc) "10" Printer Tray Switch (PTS)* "11" Permissive 1 Contact (PrC1) "12" Permissive 2 Contact (PrC2) "13" Invalid Assignment "14" Remote Stop Side 1 "15" Valve Power (VPW) "16" Valve Stem-Product 1 (VST1) "17" Valve Stem-Product 2 (VST2) "18" Valve Stem-Product 3 (VST3) "19" Valve Stem-Product 4 (VST4)	— — —	026

- Note:**
1. *Or can be used for Master Reset.
 2. For "Remote Stop" operation this code must be programmed "14" (Remote Stop Side 1) and jumpers must be installed as shown in the Installation Manual (MN06089).
 3. The respective additive injector, additive feedback and additive pump cannot be configured to opposite delivery positions.
 4. First/Second High Flow, Printer Tray Switch, Valve Power, Permissive 1 Contact and Permissive 2 Contact may each be selected for two different relays, one for each delivery position.
 5. When using a Smart Additive Subsystem, options 01-08 (Additive Feedbacks) are not available for selection.

Program Code	Function Code	Description	Entry	Program Code
027	AC Input 6 Terminals 73 & 74	Enter: Three digit number; the first digit indicating the side the relay is assigned to and the second and third digits indicating the function of the relay. 1st digit - "0" Not Used "1" Side 1 "2" Side 2 2nd and 3rd digits - "00" No Assignment (N/A) "01" Additive Feedback 1 (afb1) "02" Additive Feedback 2 (afb2) "03" Additive Feedback 3 (afb3) "04" Additive Feedback 4 (afb4) "05" Additive Feedback 5 (afb5) "06" Additive Feedback 6 (afb6) "07" Additive Feedback 7 (afb7) "08" Additive Feedback 8 (afb8) "09" First/Second High Flow (fsc) "10" Printer Tray Switch (pts)* "11" Permissive 1 Contact (prc1) "12" Permissive 2 Contact (prc2) "13" Invalid Assignment "14" Invalid Assignment "15" Valve Power (vpw) "16" Valve Stem-Product 1 (vst1) "17" Valve Stem-Product 2 (vst2) "18" Valve Stem-Product 3 (vst3) "19" Valve Stem-Product 4 (vst4)		027

- Note:**
1. *Or can be used for Master Reset.
 2. The respective additive injector, additive feedback and additive pump cannot be configured to opposite delivery positions.
 3. First/Second High Flow, Printer Tray Switch, Valve Power, Permissive 1 Contact and Permissive 2 Contact may each be selected for two different relays, one for each delivery position.
 4. When using a Smart Additive Subsystem, options 01-08 (Additive Feedbacks) are not available for selection.

Program Code	Function Code	Description	Entry	Program Code
028	AC Input 7 Terminals 106 & 109	Enter: Three digit number; the first digit indicating the side the relay is assigned to and the second and third digits indicating the function of the relay. 1st digit - "0" Not Used "1" Side 1 "2" Side 2 2nd and 3rd digits - "00" No Assignment (N/A) "01" Additive Feedback 1 (AFB1) "02" Additive Feedback 2 (AFB2) "03" Additive Feedback 3 (AFB3) "04" Additive Feedback 4 (AFB4) "05" Additive Feedback 5 (AFB5) "06" Additive Feedback 6 (AFB6) "07" Additive Feedback 7 (AFB7) "08" Additive Feedback 8 (AFB8) "09" First/Second High Flow (FSC) "10" Printer Tray Switch (PTS)* "11" Permissive 1 Contact (PRC1) "12" Permissive 2 Contact (PRC2) "13" Invalid Assignment "14" Invalid Assignment "15" Valve Power (VPW) "16" Valve Stem-Product 1 (VST1) "17" Valve Stem-Product 2 (VST2) "18" Valve Stem-Product 3 (VST3) "19" Valve Stem-Product 4 (VST4)		028

- Note:**
1. *Or can be used for Master Reset.
 2. The respective additive injector, additive feedback and additive pump cannot be configured to opposite delivery positions.
 3. First/Second High Flow, Printer Tray Switch, Valve Power, Permissive 1 Contact and Permissive 2 Contact may each be selected for two different relays, one for each delivery position.
 4. When using a Smart Additive Subsystem, options 01-08 (Additive Feedbacks) are not available for selection.

Program Code	Function Code	Description	Entry	Program Code
029	AC Input 8 Terminals 107 & 109	Enter: Three digit number; the first digit indicating the side the relay is assigned to and the second and third digits indicating the function of the relay. 1st digit - "0" Not Used "1" Side 1 "2" Side 2 2nd and 3rd digits - "00" No Assignment (N/A) "01" Additive Feedback 1 (afb1) "02" Additive Feedback 2 (afb2) "03" Additive Feedback 3 (afb3) "04" Additive Feedback 4 (afb4) "05" Additive Feedback 5 (afb5) "06" Additive Feedback 6 (afb6) "07" Additive Feedback 7 (afb7) "08" Additive Feedback 8 (afb8) "09" First/Second High Flow (fsc) "10" Printer Tray Switch (PTS)* "11" Permissive 1 Contact (PrC1) "12" Permissive 2 Contact (PrC2) "13" Invalid Assignment "14" Invalid Assignment "15" Valve Power (VPW) "16" Valve Stem-Product 1 (VST1) "17" Valve Stem-Product 2 (VST2) "18" Valve Stem-Product 3 (VST3) "19" Valve Stem-Product 4 (VST4)	— — —	029

- Note:**
1. *Or can be used for Master Reset.
 2. The respective additive injector, additive feedback and additive pump cannot be configured to opposite delivery positions.
 3. First/Second High Flow, Printer Tray Switch, Valve Power, Permissive 1 Contact and Permissive 2 Contact may each be selected for two different relays, one for each delivery position.
 4. When using a Smart Additive Subsystem, options 01-08 (Additive Feedbacks) are not available for selection.

Program Code	Function Code	Description	Entry	Program Code
030	AC Input 9 Terminals 108 & 109	Enter: Three digit number; the first digit indicating the side the relay is assigned to and the second and third digits indicating the function of the relay. 1st digit - "0" Not Used "1" Side 1 "2" Side 2 2nd and 3rd digits - "00" No Assignment (N/A) "01" Additive Feedback 1 (AFB1) "02" Additive Feedback 2 (AFB2) "03" Additive Feedback 3 (AFB3) "04" Additive Feedback 4 (AFB4) "05" Additive Feedback 5 (AFB5) "06" Additive Feedback 6 (AFB6) "07" Additive Feedback 7 (AFB7) "08" Additive Feedback 8 (AFB8) "09" First/Second High Flow (FSC) "10" Printer Tray Switch (PTS)* "11" Permissive 1 Contact (PRC1) "12" Permissive 2 Contact (PRC2) "13" Invalid Assignment "14" Invalid Assignment "15" Valve Power (VPW) "16" Valve Stem-Product 1 (VST1) "17" Valve Stem-Product 2 (VST2) "18" Valve Stem-Product 3 (VST3) "19" Valve Stem-Product 4 (VST4)	— — —	030

- Note:**
1. *Or can be used for Master Reset.
 2. The respective additive injector, additive feedback and additive pump cannot be configured to opposite delivery positions.
 3. First/Second High Flow, Printer Tray Switch, Valve Power, Permissive 1 Contact and Permissive 2 Contact may each be selected for two different relays, one for each delivery position.
 4. When using a Smart Additive Subsystem, options 01-08 (Additive Feedbacks) are not available for selection.

Program Code	Function Code	Description	Entry	Program Code
031	AC Input 10 Terminals 110 & 112	Enter: Three digit number; the first digit indicating the side the relay is assigned to and the second and third digits indicating the function of the relay. 1st digit - "0" Not Used "1" Side 1 "2" Side 2 2nd and 3rd digits - "00" No Assignment (N/A) "01" Additive Feedback 1 (AFB1) "02" Additive Feedback 2 (AFB2) "03" Additive Feedback 3 (AFB3) "04" Additive Feedback 4 (AFB4) "05" Additive Feedback 5 (AFB5) "06" Additive Feedback 6 (AFB6) "07" Additive Feedback 7 (AFB7) "08" Additive Feedback 8 (AFB8) "09" First/Second High Flow (FSC) "10" Printer Tray Switch (PTS)* "11" Permissive 1 Contact (PRC1) "12" Permissive 2 Contact (PRC2) "13" Remote Start Side 2 "14" Invalid Assignment "15" Valve Power (VPW) "16" Valve Stem-Product 1 (VST1) "17" Valve Stem-Product 2 (VST2) "18" Valve Stem-Product 3 (VST3) "19" Valve Stem-Product 4 (VST4)	— — —	031
Note:				
1. *Or can be used for Master Reset.				
2. For "Remote Start Side 2" operation this code must be programmed "13" (Remote Start Side 2) and jumpers must be installed as shown in the Installation Manual (MN06089).				
3. The respective additive injector, additive feedback and additive pump cannot be configured to opposite delivery positions.				
4. First/Second High Flow, Printer Tray Switch, Valve Power, Permissive 1 Contact and Permissive 2 Contact may each be selected for two different relays, one for each delivery position.				
5. When using a Smart Additive Subsystem, options 01-08 (Additive Feedbacks) are not available for selection.				

Program Code	Function Code	Description	Entry	Program Code
032	AC Input 11 Terminals 111 & 112	Enter: Three digit number; the first digit indicating the side the relay is assigned to and the second and third digits indicating the function of the relay. 1st digit - "0" Not Used "1" Side 1 "2" Side 2 2nd and 3rd digits - "00" No Assignment (N/A) "01" Additive Feedback 1 (afb1) "02" Additive Feedback 2 (afb2) "03" Additive Feedback 3 (afb3) "04" Additive Feedback 4 (afb4) "05" Additive Feedback 5 (afb5) "06" Additive Feedback 6 (afb6) "07" Additive Feedback 7 (afb7) "08" Additive Feedback 8 (afb8) "09" First/Second High Flow (fsc) "10" Printer Tray Switch (PTS)* "11" Permissive 1 Contact (prc1) "12" Permissive 2 Contact (prc2) "13" Invalid Assignment "14" Remote Stop Side 2 "15" Valve Power (vpw) "16" Valve Stem-Product 1 (vst1) "17" Valve Stem-Product 2 (vst2) "18" Valve Stem-Product 3 (vst3) "19" Valve Stem-Product 4 (vst4)	— — —	032

- Note:**
1. *Or can be used for Master Reset.
 2. For "Remote Stop" operation this code must be programmed "14" (Remote Stop Side 2), and jumpers must be installed as shown in the Installation Manual (MN06089).
 3. The respective additive injector, additive feedback and additive pump cannot be configured to opposite delivery positions.
 4. First/Second High Flow, Printer Tray Switch, Valve Power, Permissive 1 Contact and Permissive 2 Contact may each be selected for two different relays, one for each delivery position.
 5. When using a Smart Additive Subsystem, options 01-08 (Additive Feedbacks) are not available for selection.

Program Code	Function Code	Description	Entry	Program Code
033	AC Input 12 Terminals 75 & 76	Enter: Three digit number; the first digit indicating the side the relay is assigned to and the second and third digits indicating the function of the relay. 1st digit - "0" Not Used "1" Side 1 "2" Side 2 2nd and 3rd digits - "00" No Assignment (N/A) "01" Additive Feedback 1 (AFB1) "02" Additive Feedback 2 (AFB2) "03" Additive Feedback 3 (AFB3) "04" Additive Feedback 4 (AFB4) "05" Additive Feedback 5 (AFB5) "06" Additive Feedback 6 (AFB6) "07" Additive Feedback 7 (AFB7) "08" Additive Feedback 8 (AFB8) "09" First/Second High Flow (FSC) "10" Printer Tray Switch (PTS)* "11" Permissive 1 Contact (PRC1) "12" Permissive 2 Contact (PRC2) "13" Invalid Assignment "14" Invalid Assignment "15" Valve Power (VPW) "16" Valve Stem-Product 1 (VST1) "17" Valve Stem-Product 2 (VST2) "18" Valve Stem-Product 3 (VST3) "19" Valve Stem-Product 4 (VST4)	— — —	033
Note: 1. *Or can be used for Master Reset. 2. The respective additive injector, additive feedback and additive pump cannot be configured to opposite delivery positions. 3. First/Second High Flow, Printer Tray Switch, Valve Power, Permissive 1 Contact and Permissive 2 Contact may each be selected for two different relays, one for each delivery position. 4. When using a Smart Additive Subsystem, options 01-08 (Additive Feedbacks) are not available for selection.				
034	RTD #1 Terminals 14, 15, 16, & 17	Enter: "0" RTD Not Used "1" Product 1 "2" Product 2 "3" Product 3 "4" Product 4	—	034
035	RTD #2 Terminals 62, 63, 64, & 65	Enter: "0" RTD Not Used "1" Product 1 "2" Product 2 "3" Product 3 "4" Product 4	—	035

Program Code	Function Code	Description	Entry	Program Code
036	RTD #3 Terminals 19, 20 22, 23	Enter: "0" RTD Not Used "1" Product 1 "2" Product 2 "3" Product 3 "4" Product 4	_____	036
037	RTD #4 Terminals 68, 69 71, 72	Enter: "0" RTD Not Used "1" Product 1 "2" Product 2 "3" Product 3 "4" Product 4	_____	037
038	Additive Injector #1 Plumbing	Enter: Four digit number indicating the products that this additive injector is plumbed into. 1st digit - Product #1 2nd digit - Product #2 3rd digit - Product #3 4th digit - Product #4 A zero in the digit indicates that the injector is not plumbed into that product, a one indicates that the injector is plumbed into that product. (e.g., 1110 indicates that the injector is plumbed into products 1, 2, and 3.)	____ _ _ _	038
Note: 1. If that additive injector output is configured for use and this entry is "0000" the indication is that it is plumbed into the loading arm downstream of the metering system. 2. If a Smart Additive subsystem is selected and additive pacing is by pulses, this indicates which products' pulses are supplied to the Smart Additive subsystem.				
039	Additive Injector #2 Plumbing	Enter: Four digit number indicating the products that this additive injector is plumbed into. 1st digit - Product #1 2nd digit - Product #2 3rd digit - Product #3 4th digit - Product #4 A zero in the digit indicates that the injector is not plumbed into that product, a one indicates that the injector is plumbed into that product. (e.g., 1110 indicates that the injector is plumbed into products 1, 2, and 3.)	____ _ _ _	039
Note: 1. If that additive injector output is configured for use and this entry is "0000" the indication is that it is plumbed into the loading arm downstream of the metering system. 2. If a Smart Additive subsystem is selected and additive pacing is by pulses, this indicates which products' pulses are supplied to the Smart Additive subsystem.				

Program Code	Function Code	Description	Entry	Program Code
040	Additive Injector #3 Plumbing	Enter: Four digit number indicating the products that this additive injector is plumbed into. 1st digit - Product #1 2nd digit - Product #2 3rd digit - Product #3 4th digit - Product #4 A zero in the digit indicates that the injector is not plumbed into that product, a one indicates that the injector is plumbed into that product. (e.g., 1110 indicates that the injector is plumbed into products 1, 2, and 3.)	____	040

Note: 1. If that additive injector output is configured for use and this entry is "0000" the indication is that it is plumbed into the loading arm downstream of the metering system.
2. If a Smart Additive subsystem is selected and additive pacing is by pulses, this indicates which products' pulses are supplied to the Smart Additive subsystem.

041	Additive Injector #4 Plumbing	Enter: Four digit number indicating the products that this additive injector is plumbed into. 1st digit - Product #1 2nd digit - Product #2 3rd digit - Product #3 4th digit - Product #4 A zero in the digit indicates that the injector is not plumbed into that product, a one indicates that the injector is plumbed into that product. (e.g., 1110 indicates that the injector is plumbed into products 1, 2, and 3.)	____	041
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Note: 1. If that additive injector output is configured for use and this entry is "0000" the indication is that it is plumbed into the loading arm downstream of the metering system.
2. If a Smart Additive subsystem is selected and additive pacing is by pulses, this indicates which products' pulses are supplied to the Smart Additive subsystem.

Program Code	Function Code	Description	Entry	Program Code
042	Additive Injector #5 Plumbing	Enter: Four digit number indicating the products that this additive injector is plumbed into. 1st digit - Product #1 2nd digit - Product #2 3rd digit - Product #3 4th digit - Product #4 A zero in the digit indicates that the injector is not plumbed into that product, a one indicates that the injector is plumbed into that product. (e.g., 1110 indicates that the injector is plumbed into products 1, 2, and 3.)	____	042
<p>Note: 1. If that additive injector output is configured for use and this entry is "0000" the indication is that it is plumbed into the loading arm downstream of the metering system. 2. If a Smart Additive subsystem is selected and additive pacing is by pulses, this indicates which products' pulses are supplied to the Smart Additive subsystem.</p>				
043	Additive Injector #6 Plumbing	Enter: Four digit number indicating the products that this additive injector is plumbed into. 1st digit - Product #1 2nd digit - Product #2 3rd digit - Product #3 4th digit - Product #4 A zero in the digit indicates that the injector is not plumbed into that product, a one indicates that the injector is plumbed into that product. (e.g., 1110 indicates that the injector is plumbed into products 1, 2, and 3.)	____	043
<p>Note: 1. If that additive injector output is configured for use and this entry is "0000" the indication is that it is plumbed into the loading arm downstream of the metering system. 2. If a Smart Additive subsystem is selected and additive pacing is by pulses, this indicates which products' pulses are supplied to the Smart Additive subsystem.</p>				

Program Code	Function Code	Description	Entry	Program Code
044	Additive Injector #7 Plumbing	Enter: Four digit number indicating the products that this additive injector is plumbed into. 1st digit - Product #1 2nd digit - Product #2 3rd digit - Product #3 4th digit - Product #4 A zero in the digit indicates that the injector is not plumbed into that product, a one indicates that the injector is plumbed into that product. (e.g., 1110 indicates that the injector is plumbed into products 1, 2, and 3.)	____	044
Note: 1. If that additive injector output is configured for use and this entry is "0000" the indication is that it is plumbed into the loading arm downstream of the metering system. 2. If a Smart Additive subsystem is selected and additive pacing is by pulses, this indicates which products' pulses are supplied to the Smart Additive subsystem.				
045	Additive Injector #8 Plumbing	Enter: Four digit number indicating the products that this additive injector is plumbed into. 1st digit - Product #1 2nd digit - Product #2 3rd digit - Product #3 4th digit - Product #4 A zero in the digit indicates that the injector is not plumbed into that product, a one indicates that the injector is plumbed into that product. (e.g., 1110 indicates that the injector is plumbed into products 1, 2, and 3.)	____	045
Note: 1. If that additive injector output is configured for use and this entry is "0000" the indication is that it is plumbed into the loading arm downstream of the metering system. 2. If a Smart Additive subsystem is selected and additive pacing is by pulses, this indicates which products' pulses are supplied to the Smart Additive subsystem.				
046	Additive System and Pacing Control Selection	Enter: "0" Piston Injectors "1" Titan w/Pulse "2" Titan w/Comm "3" Gate City w/Pulse "4" Gate City w/Comm		046
Note: This code applies to RBM-01 firmware and above.				

Program Code	Function Code	Description	Entry	Program Code
047	Smart Additive Side Select	Enter: Eight digits indicating the selection for each of the eight additives. Each of the additives is represented by a "0" not used, "1" for side 1 or a "2" for side 2. (e.g., 11220000) indicates that additives one and two are used on side one, additives three and four are used on side two and additives five through eight are not used.	_____	047
<i>Note: This code applies to RBM-01 firmware and above.</i>				
048-089		Unassigned at Present		048-089
090	Input/Output Configuration for Side 1	Enter: "1" One Product "2" Two Products "3" Three Products "4" Four Products	—	090
Warning: If you have already programmed codes 001 through 047, do not program this code. It may change what you have already programmed.				
<i>Note: Entering the above number will program the AccuLoad II Side 1 to a typical input and output configuration for the number of products selected, the remainder of the products will be configured to Side 2. Refer to manual MN06091L for input and output assignments when using this method of configuring the AccuLoad II-RBM.</i>				
091	Print Configuration Side 1	Enter: Press "ENTER". The output configuration will be displayed. Press "ENTER". The input configuration will be displayed. Press "ENTER" again to print the configuration report.		091
092	Print Configuration Side 2	Enter: Press "ENTER". The output configuration will be displayed. Press "ENTER". The input configuration will be displayed. Press "ENTER" again to print the configuration report.		092
093-099		Unassigned at Present		093-099
100		System General Purpose Directory		100

Program Code	Function Code	Description	Entry	Program Code
101	System Alarm Check/Reset	Read only, Press E to clear	None	101

Available Alarms

AC: Additive Communications*	K1: Low Additive 1*
A2: Print Cover Open	K2: Low Additive 2*
A4: Print Cover Open	K3: Low Additive 3*
BR: Bad Response**	K4: Low Additive 4*
B2: Buffer Overflow	K5: Low Additive 5*
B4: Buffer Overflow	K6: Low Additive 6*
C1: Unconfigured Flow Product 1	K7: Low Additive 7*
C2: Unconfigured Flow Product 2	K8: Low Additive 8*
C3: Unconfigured Flow Product 3	M1: Too Many Pulses Additive 1*
C4: Unconfigured Flow Product 4	M2: Too Many Pulses Additive 2*
CL: Clean Line	M3: Too Many Pulses Additive 3*
CM: Communication	M4: Too Many Pulses Additive 4*
DA: EEPROM XXXX Bad	M5: Too Many Pulses Additive 5*
DA: Ram XXXX Bad	M6: Too Many Pulses Additive 6*
DA: Rom Uxx Bad	M7: Too Many Pulses Additive 7*
DA: Watchdog Alarm	M8: Too Many Pulses Additive 8*
DA: Display Error	N1: No Pulses Detected Additive 1*
DA: Data Retention	N2: No Pulses Detected Additive 2*
DA: Display Boot Required	N3: No Pulses Detected Additive 3*
DA: Control Module	N4: No Pulses Detected Additive 4*
DA: Security Code	N5: No Pulses Detected Additive 5*
DA: Software Version	N6: No Pulses Detected Additive 6*
DA: Internal Temperature	N7: No Pulses Detected Additive 17*
DA: Keypad Alarm	N8: No Pulses Detected Additive 8*
DA: Keypad Mismatch	OA: Overrun
DA: Program Code Error	O2: Printer Paper Out
D2: Printer Deselected	O4: Printer Paper Out
D4: Printer Deselected	PA: Power-fail
E2: Printer Error	P2: Printer Communication
E4: Printer Error	P4: Printer Communication
F1: Additive 1 Feedback	R1: Additive 1 Frequency*
F2: Additive 2 Feedback	R2: Additive 2 Frequency*
F3: Additive 3 Feedback	R3: Additive 3 Frequency*
F4: Additive 4 Feedback	R4: Additive 4 Frequency*
F5: Additive 5 Feedback	R5: Additive 5 Frequency*
F6: Additive 6 Feedback	R6: Additive 6 Frequency*
F7: Additive 7 Feedback	R7: Additive 7 Frequency*
F8: Additive 8 Feedback	R8: Additive 8 Frequency*
H2: Printer Hardware	SF: Storage Full
H4: Printer Hardware	SP: Shared Printer
IA: Injector Alarm Pending*	TK: Ticket Alarm
I2: Printer Not Responding	U1: Unauthorize Command Failed, Additive 1*
I4: Printer Not Responding	U2: Unauthorize Command Failed, Additive 2*
L1: Additive 1 Pulse*	U3: Unauthorize Command Failed, Additive 3*
L2: Additive 2 Pulse*	U4: Unauthorize Command Failed, Additive 4*
L3: Additive 3 Pulse*	U5: Unauthorize Command Failed, Additive 5*
L4: Additive 4 Pulse*	U6: Unauthorize Command Failed, Additive 6*
L5: Additive 5 Pulse*	U7: Unauthorize Command Failed, Additive 7*
L6: Additive 6 Pulse*	U8: Unauthorize Command Failed, Additive 8*
L7: Additive 7 Pulse*	ZF: Zero Flow
L8: Additive 8 Pulse*	

Program Code	Function Code	Description	Entry	Program Code
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*Note: * These alarms apply to RBM-01 firmware and above. ** This alarm applies to RBM-06 firmware and above.*

102	Product 1 Alarm Check/Reset	Read only, Press E to clear	None	102
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Available Alarms

BH: Blend High	OA: Overrun
BL: Blend Low	PS: Pulse Security
BP: Back Pressure	PT: Pulse Transmission Alarm
DA: Program Code	TP: Temperature Probe
HF: Excess High Flow	UF: Unauthorized Flow
HT: High Temperature	VF: Valve Fault
LF: Low Flow	ZF: Zero Flow
LT: Low Temperature	

103	Product 2 Alarm Check/Reset	Read only, Press E to clear	None	103
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Available Alarms

BH: Blend High	OA: Overrun
BL: Blend Low	PS: Pulse Security
BP: Back Pressure	PT: Pulse Transmission Alarm
DA: Program Code	TP: Temperature Probe
HF: Excess High Flow	UF: Unauthorized Flow
HT: High Temperature	VF: Valve Fault
LF: Low Flow	ZF: Zero Flow
LT: Low Temperature	

104	Product 3 Alarm Check/Reset	Read only, Press E to clear	None	104
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Available Alarms

BH: Blend High	OA: Overrun
BL: Blend Low	PS: Pulse Security
BP: Back Pressure	PT: Pulse Transmission Alarm
DA: Program Code	TP: Temperature Probe
HF: Excess High Flow	UF: Unauthorized Flow
HT: High Temperature	VF: Valve Fault
LF: Low Flow	ZF: Zero Flow
LT: Low Temperature	

105	Product 4 Alarm Check/Reset	Read only, Press E to clear	None	105
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Available Alarms

BH: Blend High	OA: Overrun
BL: Blend Low	PS: Pulse Security
BP: Back Pressure	PT: Pulse Transmission Alarm
DA: Program Code	TP: Temperature Probe
HF: Excess High Flow	UF: Unauthorized Flow
HT: High Temperature	VF: Valve Fault
LF: Low Flow	ZF: Zero Flow
LT: Low Temperature	

Program Code	Function Code	Description	Entry	Program Code
106	Recipe Alarms Check/Reset	Read only, Press E to clear	None	106
Available Alarms				
DA: Program Code				
107	Transaction Alarms	To be read only	None	107
108	Ready Mode Alarms	To be read only	None	108
109	Set Time	Enter: Five digits; two digits for hours, two digits for minutes and one to indicate military time, AM or PM. The last digit will be "0" = AM, "1" = PM and "2" = Military (e.g., 01:130).		109
110	Set Date	Enter: Six digits; two digits for month followed by two digits for day, followed by digits for year (e.g., 011288).		110
111	Dynamic Display Time-out	Enter: Two digits in seconds of time-out (e.g., 15). "00" Display will remain till the "CLEAR" key is pressed. "99" will disable the dynamic displays.		111
112-139	Unassigned at Present			112-139
140	Protection of Program Codes 180-189	Enter: "0" for Weights and Measures Mode "1" for Program Mode		140
141	Ready/Run Mode Alarm Clearing	Enter: One digit from one to nine indicates the number of alarms that can be cleared while in the Ready or Run Mode (e.g., 3).		141
142	Ready/Run Mode Alarm Clearing	Enter: The number of the alarm that is to be changed. (See Appendix III for the alarms, associated numbers and recording entries). When the alarm is displayed enter a "0" if the alarm is allowed to be cleared in the Ready/Run Mode. Enter a "1" if the alarm is not allowed to be cleared in the Ready/Run Mode.		142
<i>Note: If code 141 is set to "0" the message "No Alarm Clearing" will be displayed and no entries will be allowed.</i>				
143	Decimal or Comma Selection	Enter: "0" Decimal "1" Comma		143
144	Alarm Relay	Enter: "0" Alarm Relay on Valve Fault "1" Alarm Relay on Any Fault "2" No Alarm Relay		144
145	Run & Ready Mode Initialization	Enter: "0" English		145
146-179	Unassigned at Present			146-179
180	Programming Access Code	Enter: Four digit number permits entry into the Program or Weights		180

Program Code	Function Code	Description	Entry	Program Code
		and Measures Mode (e.g., 1234).	_____	
181	Transaction Security ID	Enter: Eight digit transaction ID number (e.g., 12345678). "00000000" disables this feature.	_____	181
182	Transaction Security Prompt Message	Enter: Up to 20 characters for a prompt message (e.g., Enter ID Number).	_____	182
183	Auto Reset Timer	Enter: Two digit number in minutes that the AccuLoad II will remain in the a mode of operation before automatically returning to the Ready Mode (e.g., 05). "00" disables this feature.	__	183
184	Ready Mode Message	Enter: Up to 15 characters for a prompt message (e.g., Load Arm #1).	_____	184
185	Run & Ready Mode Customized Display	Enter: The number of the display that you want to change. Press "ENTER". The default display will appear for that number or you can scroll through the displays by pressing the "ENTER" key. The display can be changed using the character set resident in the AccuLoad II. (See Appendix I for entry numbers and to record translation.)	_____	185
186	Power Failure Alarm	Enter: "0" No Power-fail Alarm "1" Yes Power-fail Alarm	__	186
187-189		Unassigned at Present		187-189
190	Delivery Position Disable	Enter: "0" Position Enabled "1" Position Disabled	__	190
191-199		Unassigned at Present		191-199
200		System Flow Control Directory		200
201	Low Flow Start Volume	Enter: Four digits in whole units (e.g., 0100).	_____	201
<i>Note: The larger of the volumes as programmed in this code or calculated in code 202 will be used as the low flow start volume.</i>				
202	Low Flow Start Percentage	Enter: Two digits in whole percentage indicating the percentage of the preset to be delivered during low flow start (e.g., 10%).	__	202
<i>Note: The larger of the volumes as calculated using the percentage entered in this code or the volume entered in code 201 will be used as the low flow start volume.</i>				
203	Low Flow Start Rate	Enter: Four digits in whole units per minute (e.g., 0150). "0000" entry will not allow the valve to open.	_____	203
204	Low Flow Start	Enter: "0" Low Flow Start always after		204

Program Code	Function Code	Description	Entry	Program Code
		zero flow. "1" Low Flow Start at beginning of batch only.	___	
205	System First High Flow Rate	Enter: Four digits in whole units (e.g., 0600). "0000" entry will not allow the valve to open.	____	205
206	System Second High Flow Rate	Enter: Four digits in whole units (e.g., 0300). "0000" entry will not allow the valve to open if configured for 1st/2nd High Flow.	____	206
207	Overrun Alarm Limit	Enter: Two digits in whole units (e.g., 15). "00" disables the alarm.	__	207
208	Zero Flow Timer	Enter: Two digits in seconds (e.g., 15). "00" disables this option.	__	208
209	Zero Flow Alarm	Enter: "0" Zero Flow Alarm Disabled "1" Zero Flow Alarm Enabled	__	209
210	Start Delay After Stop	Enter: Three digits in whole seconds of delay time from when the "STOP" is pressed until the "START" can be pressed. (e.g., 020)	___	210
211	Pump Relay Time Delay	Enter: Two digits in seconds of delay time for opening the pump relay after "STOP". (e.g., 09)	__	211
212	Valve Delay To Open	Enter: Two digits in seconds of delay time to open the valve after "START" is pressed (e.g., 07). "00" disables option.	__	212
213-239		Unassigned at Present		213-239
240	Protection of Program Codes 280-289	Enter: "0" for Weights and Measures Mode "1" for Program Mode	__	240
241-279		Unassigned at Present		241-279
280	Clean Line Product	Enter: "1" for Product 1 "2" for Product 2 "3" for Product 3 "4" for Product 4	__	280
281	Clean Line Volume	Enter: Three digits in whole units of product to be left in the clean line at the end of the batch (e.g., 050).	___	281
282	Clean Line Alarm Limit	Enter: Two digits in volume of under delivery of the clean line volume allowed (e.g., 10).	__	282

Program Code	Function Code	Description	Entry	Program Code
283	Ratio Adjustment Factor	Enter: Three digits in tenths to speed up response of blend values (e.g., 20.0).	___ . __	283
<i>Note: This adjustment factor must not be set to 00.0.</i>				
284	Ratio Adjustment Timer	Enter: Two digits in seconds to set amount of time between ratio flow adjustments (e.g., 01).	__	284
<i>Note: This adjustment must not be set to 00.</i>				
285-299		Unassigned at Present		285-299
300		System Volume Accuracy Directory		300
301	Transaction Control	Enter: "0" Local Tray Switch "1" Print Key "2" Remote "3" Master Reset (Clear Totals) "4" Master Reset (Doesn't Clear Totals)	__	301
302	Maximum Preset Volume	Enter: Six digits in whole units (e.g., up to 999,999 units). "000000" disables option.	______	302
303	Minimum Preset Volume	Enter: Six digits in whole units (e.g., up to 999,999 units). "000000" disables option.	______	303
304	Auto Preset	Enter: Six digits in whole units (e.g., 999,999 units). "000000" disables option.	______	304
305	Auto Preset Increment	Enter: Five digits in whole units to increment the auto preset (e.g., 00100 units). "00000" disables option.	_____	305
306	Blank Downcounter	Enter: "0" Downcounter to be Displayed "1" No Downcounter Displayed	__	306
307	Volumes for Local Storage	Enter: Three digit number indicating the volumes that will be stored in local storage along with the Gross Volume (GR). <i>Note: A maximum of two volumes will be stored including the Gross.</i> 1st digit - Raw Volumes (RW) 2nd digit - Gross at Standard Temperature Volumes (GT) 3rd digit - Mass Totals (MA) A zero in the digit indicates that the volume will not be saved in local storage, a one indicates the volume will be saved in local storage. (e.g., 110 indicates the raw volumes and the Gross at Standard Temperature volumes will be stored along with the gross volumes.)	___	307

Program Code	Function Code	Description	Entry	Program Code
308-339		Unassigned at Present		308-339
340	Protection of Program Codes 380-389	Enter: "0" for Weights and Measures Mode "1" for Program Mode	__	340
341	Display Units	Enter: Three character message identifying the display units (e.g., GAL).	__ __ __	341
342	Corrected Display Indicator	Enter: "0" No Correction "1" Correct Delivery Display "2" Corrected Preset Display "3" Corrected Delivery & Preset	__	342
343	Display Resolution	Enter: "0" Whole Unit Display "1" Tenth Unit Display "2" Hundredth Unit Display "3" Tens Unit Display	__	343
344	Proving Modes	Enter: "0" Not Proving "1" Weights and Measures Proving "2" High-Speed Proving	__	344
345	Proving Output	Enter: "0" No Prover Output "1" Product #1 Prover Output "2" Product #2 Prover Output "3" Product #3 Prover Output "4" Product #4 Prover Output	__	345
346	Proving Output Units	Enter: "0" Raw Prover Output (Raw) "1" Gross Prover (Grs) "2" Gross Prover at Standard Temperature (Gst) "3" Mass Preset (Whole Units)	__	346
347	Recipes Per Transaction	Enter: "0" Single Recipe/Transaction "1" Multiple Recipes/Transaction	__	347
348	Blend Tolerance (Percentage)	Enter: Two digits in tenths of a percentage for the tolerance allowed for all delivered blends (e.g., 5.0 = 5 %).	__ . __	348
<i>Note: The larger of the tolerances as calculated using the percentage entered in this code or the volume entered in code 349 will be used to determine when a blend alarm should be triggered.</i>				
349	Blend Tolerance (Volume)	Enter: Three digits of Volume for Blend Tolerance in tenths of units (e.g., 10.0).	__ __ . __	349
<i>Note: The larger of the tolerances as programmed in this code or calculated in code 348 will be used to determine when a blend alarm should be triggered.</i>				
350	Combinated Pulse Output	Enter: "0" Raw Pulse Output "1" Gross Pulse Output "2" Gross @ Standard Temperature Output "3" Mass Output	__	350
351	Combinated Pulse Output Resolution	Enter: Six digits defining the pulse output resolution (units/pulse) in thousandths of units. 000.000 disables this feature (e.g., 010.0).	__ __ __ . __ __ __	351
352	Combinated Pulse Frequency	Enter: Three digits representing will be output by the		352

Program Code	Function Code	Description	Entry	Program Code
		combined pulse output. The range of this code is 004 to 999 (e.g., 500 Hz).	__ __ __	
353-389		Unassigned at Present		353-389
390	Input Pulse Type	Enter: "0" Active Pulse Input "1" Contact Type Input	__	390

Program Code	Function Code	Description	Entry	Program Code
391-399		Unassigned at Present		391-399
400		System Temperature & Density Directory		400
401-439		Unassigned at Present		401-439
440	Protection of Program Codes 480-489	Enter: "0" for Weights and Measures Mode "1" for Program Mode	__	440
441	Temperature Units	Enter: "0" No Temperature Used "1" Fahrenheit "2" Celsius	__	441
442	Reference Temperature	Enter: Four digit reference temperature in tenth degrees (e.g., 060.0).	__ __ __ . __	442
443	Density Units	Enter: "0" No Density Units "1" Lbs/Ft ³ "2" Kgs/M ³	__	443
444	Volume/Mass Conversion	Enter: "0" Gallons per Density Units "1" Dekaliters per Density Units "2" Liters per Density Units "3" Barrels per Density Units "4" Cubic Meters per Density Units	__	444
445	Mass Units	Enter: Three character message identifying the mass units (e.g., Lbs).	__ __ __	445
446-499		Unassigned at Present		446-499
500		System Pressure Directory		500
501-539		Unassigned at Present		501-539
540	Protection of Program Codes 580-589	Enter: "0" for Weights and Measures Mode "1" for Program Mode	__	540
541-599		Unassigned at Present		541-599
600		System Read Only Directory		600
601	Injector 1 Non-resettable Volumes	To be read only	None	601
602	Injector 2 Non-resettable Volumes	To be read only	None	602
603	Injector 3 Non-resettable Volumes	To be read only	None	603
604	Injector 4 Non-resettable Volumes	To be read only	None	604
605	Injector 5 Non-resettable Volumes	To be read only	None	605
606	Injector 6 Non-resettable Volumes	To be read only	None	606

Program Code	Function Code	Description	Entry	Program Code
607	Injector 7 Non-resettable Volumes	To be read only	None	607
608	Injector 8 Non-resettable Volumes	To be read only	None	608
609	Local Storage Transactions	To be read only	None	609
610-639		Unassigned at Present		610-639
640	Protection of Program Codes 680-689	Enter: "0" for Weights and Measures Mode "1" for Program Mode	—	640
641-699		Unassigned at Present		641-699
700		System Communication Directory		700
701	EIA-232 Communication Type	Enter: "0" No Communications "1" for EIA Type Terminal "2" for EIA Type Minicomputer "3" Gate City*	—	701
<i>*Note: This option applies to RBM-01 firmware and above.</i>				
702	EIA-232 Communication Control	Enter: "0" for Poll Only "1" for Poll and Authorize "2" for Remote Control "3" for Auto Out Printer (one AccuLoad II per printer) "4" for Shared Auto Out Printer (up to 16 AccuLoad IIs per printer) "5" for Smart Additives*	—	702
<i>*Note: This option applies to RBM-01 and above firmware.</i>				
703	EIA-232 Baud Rate	Enter: "0" for 110 Baud "1" for 150 Baud "2" for 300 Baud "3" for 600 Baud "4" for 1200 Baud "5" for 2400 Baud "6" for 3600 Baud "7" for 4800 Baud "8" for 7200 Baud "9" for 9600 Baud	—	703
704	EIA-232 Data Format	Enter: "0" EIA-232 7 Bits Even "1" EIA-232 7 Bits Odd "2" EIA-232 7 Bits None "3" EIA-232 8 Bits Even "4" EIA-232 8 Bits Odd "5" EIA-232 8 Bits None	—	704
705	EIA-485 Communication Type	Enter: "0" No Communications "1" EIA Type Terminal "2" EIA Type Minicomputer "3" Gate City*	—	705
<i>*Note: This option applies to RBM-01 and above firmware.</i>				
706	EIA-485	Enter: "0" for Polling Only		706

Program Code	Function Code	Description	Entry	Program Code
	Communication Control	"1" for Poll and Authorize "2" for Remote Control "3" for Auto Out "4" for Shared Auto Out "5" for Smart Additives*	—	
<i>*Note: This option applies to RBM-01 and above firmware.</i>				
707	EIA-485 Baud Rate	Enter: "0" for 110 Baud "1" for 150 Baud "2" for 300 Baud "3" for 600 Baud "4" for 1200 Baud "5" for 2400 Baud "6" for 3600 Baud "7" for 4800 Baud "8" for 7200 Baud "9" for 9600 Baud	—	707
708	EIA-485 Data Format	Enter: "0" EIA-485 7 Bits Even "1" EIA-485 7 Bits Odd "2" EIA-485 7 Bits None "3" EIA-485 8 Bits Even "4" EIA-485 8 Bits Odd "5" EIA-485 8 Bits None	—	708
709	Communication Address	Enter: Two digit number to identify the delivery position for communications, range: 01 to 99 (e.g., 25).	—	709
710	Printer Output Message #1	Enter: Up to 20 characters for prompt message (e.g., Smith Meter Inc.).	—	710
711	Printer Output Message #2	Enter: Up to 20 characters for printer message (e.g., P. O. Box 10428).	—	711
712	Printer Output Message #3	Enter: Up to 20 characters for printer message (e.g., 1602 Wagner Ave.).	—	712
713	Printer Output Message #4	Enter: Up to 20 characters for printer message (e.g., Erie, Pa.).	—	713
714	Printer Output Message #5	Enter: Up to 20 characters for printer message (e.g., Erie Terminal).	—	714
715	Printer Output Message #6	Enter: Up to 20 characters for printer message (e.g.,).	—	715
716	Printer Output Message #7	Enter: Up to 20 characters for printer message (e.g.,).	—	716
717	Printer Output Message #8	Enter: Up to 20 characters for printer message (e.g.,).	—	717

Program Code	Function Code	Description	Entry	Program Code
718	Printer Output Message #9	Enter: Up to 20 characters for printer message (e.g., _____).		718
719	Printer Output Message #10	Enter: Up to 20 characters for printer message (e.g., _____).		719
720	Printer Output Message #11	Enter: Up to 20 characters for printer message (e.g., _____).		720
721	Printer Output Message #12	Enter: Up to 20 characters for printer message (e.g., _____).		721
722	Printer Output Message #13	Enter: Up to 20 characters for printer message (e.g., _____).		722
723	Printer Output Message #14	Enter: Up to 20 characters for printer message (e.g., _____).		723
724	Printer Output Message #15	Enter: Up to 20 characters for printer message (e.g., _____).		724
725	Prompt Message #1	Enter: Up to 20 characters for prompt message (e.g., Enter Driver ID).		725
726	Prompt Message #2	Enter: Up to 20 characters for prompt message (e.g., Enter Company ID).		726
727	Prompt Message #3	Enter: Up to 20 characters for prompt message (e.g., Enter Trailer No).		727
728	Prompt Message #4	Enter: Up to 20 characters for prompt message (e.g., Enter Carrier ID).		728
729	Prompt Message #5	Enter: Up to 20 characters for prompt message (e.g., Connect Ground).		729
730	Position ID	Enter: Up to 20 characters for position identification (e.g., XX12).		730
731	Print Summary	Enter: "0" Summary w/Report "1" No Summary w/Report "2" Summary Only *"3" User Configured Report		731
732	Print Volumes	Enter: "0" Print All Volumes "1" Print Recipe Volumes Only "2" Print Product Volumes Only		732
733	Report Summary HM Classification	Enter: "1" Product 1 "2" Product 2 "3" Product 3 "4" Product 4		733

Program Code	Function Code	Description	Entry	Program Code
734	Delivery Report Display	To be read only. Displays the current setup of the Delivery Report.	None	734
735-739 Unassigned at Present				735-739
740	Protection of Program Codes 780-789	Enter: "0" for Weights and Measures Mode "1" for Program Mode	—	740
741	Communication Link Programming	Enter: "0" for No Program Code Values "1" for Program Values Only "2" for Program and Weights and Measures Values "3" for Alarm Reset Only	—	741
742	Communications Time-out	Enter: Three digits in seconds that communication polling may be absent (e.g., 060). "000" disables the Communications Alarm Mode.	— — —	742
743	Communications Alarm Mode	Enter: "0" Standby Mode "1" Communications Alarm Mode "2" Standby and Communications Alarm Mode	—	743
744	Prompt Time-out	Enter: Three digits in seconds of time-out allowed with each prompt (e.g., 015).	— — —	744
<i>Note: Minimum time-out is 10 seconds.</i>				
745	Prompt Data Entry #1	Enter: Two digits representing the prompt data response. First digit "0" = Displayed First digit "1" = Hidden Display Second digit "0 - 9" = Digits for prompt entry (e.g., 04).	— —	745
746	Prompt Data Entry #2	Enter: Two digits representing the prompt data response. First digit "0" = Displayed First digit "1" = Hidden Display Second digit "0 - 9" = Digits for prompt entry (e.g., 15).	— —	746
747	Prompt Data Entry #3	Enter: Two digits representing the prompt data response. First digit "0" = Displayed First digit "1" = Hidden Display Second digit "0 - 9" = Digits for prompt entry (e.g., 15).	— —	747
748	Prompt Data Entry #4	Enter: Two digits representing the prompt data response. First digit "0" = Displayed First digit "1" = Hidden Display Second digit "0 - 9" = Digits for prompt entry (e.g., 16).	— —	748

Program Code	Function Code	Description	Entry	Program Code
749	Prompt Data Entry #5	Enter: Two digits representing the prompt data response. First digit "0" = Displayed First digit "1" = Hidden Display Second digit "0 - 9" = Digits for prompt entry (e.g., 16).	__ __	749
750	Start Key Enable/Disable	Enter: "0" Start Key Enabled "1" Start Key Disabled	__	750
751	Shared Printer Out Alarm	Enter: "0" for No SP Alarm "1" for Yes SP Alarm	__	751
752	Shared Printer Out Timer	Enter: Two digits in minutes of time that the AccuLoad II will wait before Alarming.	__ __	752
753	EIA-232 Printer Security	Enter: "0" No 232 Security "1" XON/XOFF "2" DEC Protocol "3" PTB - FX Protocol "4" PTB - LQ Protocol	__	753
754	EIA-485 Printer Security	Enter: "0" No 485 Security "1" XON/XOFF "2" DEC Protocol "3" PTB - FX Protocol "4" PTB - LQ Protocol	__	754
755	Shared Printer Security Alarm	Enter: "0" No Security Alarm "1" Local Security Alarm	__	755

Note: Used with DEC Security.

756	Select Volumes to Print	Enter: Four digit number indicating the totals that will be printed on the Product Receipt Ticket. 1st digit - Raw Totals 2nd digit - Gross Totals 3rd digit - Gross at Standard Temperature Totals 4th digit - Mass Totals A zero in the digit indicates the total will not be printed, a one indicates the total will be printed. (e.g., 0110 indicates that Gross totals and the Gross at Standard Temperature will be printed on the Product Receipt Ticket.)	__ __ __ __	756
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Note: The current load ticket can have all five of the volumes printed on it. However, any reprint of that load ticket will only contain the totals that have been selected for local storage in code 307 and in this program code.

Program Code	Function Code	Description	Entry	Program Code
757	Select Load Parameters to Print	<p>Enter: Two digit number indicating the load averages that will be printed on the Product Receipt Ticket.</p> <p>1st digit - Load Average Temperature 2nd digit - Reference Density</p> <p>A zero in the digit indicates the load average will not be printed, a one indicates the load average will be printed. (e.g., 11 indicates that the Load Average Temperature and the Reference Density will be printed on the Product Receipt Ticket.)</p>	__	757
758	Select the Additive Volumes to Print	<p>Enter: Eight digit number indicating the additive volumes that will be printed on the Product Receipt Ticket.</p> <p>1st digit - Additive Volume #1 2nd digit - Additive Volume #2 3rd digit - Additive Volume #3 4th digit - Additive Volume #4 5th digit - Additive Volume #5 6th digit - Additive Volume #6 7th digit - Additive Volume #7 8th digit - Additive Volume #8</p> <p>A zero in the digit indicates the additive volume will not be printed, a one indicates the additive volume will be printed. (e.g., 10100000 indicates that Additive Volume #1 and Additive Volume #3 will be printed on the Product Receipt Ticket.)</p>	____	758

Program Code	Function Code	Description	Entry	Program Code
759	Define Delivery Report	Enter: Ten digits in the form of four digits for the current line (0000), three digits for the column number that the data will start at (000), and the item that will be printed (000) on the delivery report. Refer to Appendix II for item numbers. (e.g., 0134, 016, 135)		759
<i>Note: delete information from the delivery report move to the entry number field by pressing "ENTER" and enter a zero and press "ENTER" again.</i>				
760	Additive 1 Address	Enter: Three digit communication address to identify this additive if a Smart Additive System is being used.	___	760
<i>Note: This code applies to RBM-01 and above firmware.</i>				
761	Additive 2 Address	Enter: Three digit communication address to identify this additive if a Smart Additive System is being used.	___	761
<i>Note: This code applies to RBM-01 and above firmware.</i>				
762	Additive 3 Address	Enter: Three digit communication address to identify this additive if a Smart Additive System is being used.	___	762
<i>Note: This code applies to RBM-01 and above firmware.</i>				
763	Additive 4 Address	Enter: Three digit communication address to identify this additive if a Smart Additive System is being used.	___	763
<i>Note: This code applies to RBM-01 and above firmware.</i>				
764	Additive 5 Address	Enter: Three digit communication address to identify this additive if a Smart Additive System is being used.	___	764
<i>Note: This code applies to RBM-01 and above firmware.</i>				
765	Additive 6 Address	Enter: Three digit communication address to identify this additive if a Smart Additive System is being used.	___	765
<i>Note: This code applies to RBM-01 and above firmware.</i>				
766	Additive 7 Address	Enter: Three digit communication address to identify this additive if a Smart Additive System is being used.	___	766
<i>Note: This code applies to RBM-01 and above firmware.</i>				
767	Additive 8 Address	Enter: Three digit communication address to identify this additive if a Smart Additive System is being used.	___	767
<i>Note: This code applies to RBM-01 and above firmware.</i>				
768-779		Unassigned at Present		768-779
780	Number of Prompts	Enter: One digit between 0 and 5 representing the number of prompts used in the Standby Mode (e.g., 4).		780

Program Code	Function Code	Description	Entry	Program Code
		"0" disables prompts in the Standby Mode.	___	
781	Print Transaction	Enter: Three digit Transaction Number to print the transaction data desired. (e.g., 010 will print the tenth transaction back from the current transaction.)	___	781
782	Prompts Printed	Enter: "0" Standby Blank "1" Standby Print "2" Always Print	___	782
783-789		Unassigned at Present		783-789
790	High-Security Communications Programming	Enter: "0" No High-Security Programming through Communications "1" High-Security Programming through Communications	___	790
<i>Note: High-Security Programming refers to the codes in the configuration directory and any codes in other directories that have a second digit of nine.</i>				
791-799		Unassigned at Present		791-799
800		System Input/Output Directory		800
801	Additive Injector Stop	Enter: "0" Additive Stop at End of Batch (Option 1) "1" Additive Stop at Programmed Stop Volume with No Recalculation of Additive (Option 2) "2" Additive Stop at Programmed Stop Volume with Recalculation of Additive (Option 3)	___	801
802	Additive Injector Stop Volume	Enter: Three digits in whole units of remaining system volume to be loaded when the additive injectors will be stopped (e.g., 75).	___	802
803	Additive Injector Output	Enter: "0" for Raw Output "1" for Gross Output "2" for Gst Output	___	803
804	Manual/Auto Additive Injector Selection	Enter: "0" for Auto Injectors "1" for Manual Injectors when in the Standby Mode "2" for Manual Injectors per Transaction "3" for Manual Injectors per Batch	___	804
805	Restart After Valve Power Restored	Enter: "0" Manual Valve Start "1" Auto Valve Start	___	805
806	Valve Power Sense Permissive Message	Enter: Up to 20 characters for prompt message (e.g., Permissive Not Met).	_____	806
807	Permissive #1	Enter: "0" No Permissive 1 "1" Permissive 1 Transaction Start Only "2" Permissive 1 Continuously "3" Start Permissive 1 "4" Batch Permissive 1	___	807

Program Code	Function Code	Description	Entry	Program Code
808	Permissive #1 Message	Enter: Up to 20 characters for prompt message (e.g., Connect Ground).	_____	808
809	Restart After Permissive #1 Met	Enter: "0" Man Perm. 1 Start "1" Auto Perm. 1 Start	___	809
810	Prompt Message	Enter: Up to 20 characters for prompt message if no AC power is detected on the AC Input Programmed for Printer Tray Switch or Master Reset (e.g., Please Insert Ticket).	_____	810
811	Permissive #2	Enter: "0" No Permissive 2 "1" Permissive 2 Transaction Start Only "2" Permissive 2 Continuously "3" Start Permissive 2 "4" Batch Permissive 2	___	811
812	Permissive #2 Message	Enter: Up to 20 characters for prompt message (e.g., Connect Vapor).	_____	812
813	Restart After Permissive #2 Met	Enter: "0" Man Perm. 2 Start "1" Auto Perm. 2 Start	___	813
814	Additive #1 Message	Enter: Up to nine characters for Additive #1 Message on the Product Receipt Ticket. (e.g., Dye)	_____	814
815	Additive #2 Message	Enter: Up to nine characters for Additive #2 Message on the Product Receipt Ticket. (e.g., Dye)	_____	815
816	Additive #3 Message	Enter: Up to nine characters for Additive #3 Message on the Product Receipt Ticket. (e.g., Dye)	_____	816
817	Additive #4 Message	Enter: Up to nine characters for Additive #4 Message on the Product Receipt Ticket. (e.g., Dye)	_____	817
818	Additive #5 Message	Enter: Up to nine characters for Additive #5 Message on the Product Receipt Ticket. (e.g., Dye)	_____	818
819	Additive #6 Message	Enter: Up to nine characters for Additive #6 Message on the Product Receipt Ticket. (e.g., Dye)	_____	819
820	Additive #7 Message	Enter: Up to nine characters for Additive #7 Message on the Product Receipt Ticket. (e.g., Dye)	_____	820
821	Additive #8 Message	Enter: Up to nine characters for Additive #8 Message on	_____	821

Program Code	Function Code	Description	Entry	Program Code
		the Product Receipt Ticket. (e.g., Dye)		
822-839		Unassigned at Present		822-839
840	Protection of Program Codes 880-889	Enter: "0" for Weights and Measures Mode "1" for Program Mode		840
841	Additive Injector #1 Feedback	Enter: "0" No Injector 1 Feedback "1" Injector 1 Feedback/Control "2" Injector 1 Feedback Only		841
842	Additive Injector #1 Volume per Cycle	Enter: Six digits defining the volume of product to be injected for each additive injector cycle (e.g., 001.000).		842
843	Additive Injector #2 Feedback	Enter: "0" No Injector 2 Feedback "1" Injector 2 Feedback/Control "2" Injector 2 Feedback Only		843
844	Additive Injector #2 Volume per Cycle	Enter: Six digits defining the volume of product to be injected for each additive injector cycle (e.g., 001.000).		844
845	Additive Injector #3 Feedback	Enter: "0" No Injector 3 Feedback "1" Injector 3 Feedback/Control "2" Injector 3 Feedback Only		845
846	Additive Injector #3 Volume per Cycle	Enter: Six digits defining the volume of product to be injected for each additive injector cycle (e.g., 001.000).		846
847	Additive Injector #4 Feedback	Enter: "0" No Injector 4 Feedback "1" Injector 4 Feedback/Control "2" Injector 4 Feedback Only		847
848	Additive Injector #4 Volume per Cycle	Enter: Six digits defining the volume of product to be injected for each additive injector cycle (e.g., 010.000).		848
849	Additive Injector #5 Feedback	Enter: "0" No Injector 5 Feedback "1" Injector 5 Feedback/Control "2" Injector 5 Feedback Only		849
850	Additive Injector #5 Volume per Cycle	Enter: Six digits defining the volume of product to be injected for each additive injector cycle (e.g., 001.000).		850
851	Additive Injector #6 Feedback	Enter: "0" No Injector 6 Feedback "1" Injector 6 Feedback/Control "2" Injector 6 Feedback Only		851
852	Additive Injector #6 Volume per Cycle	Enter: Six digits defining the volume of product to be injected for each additive injector cycle (e.g., 001.000).		852
853	Additive Injector #7 Feedback	Enter: "0" No Injector 7 Feedback "1" Injector 7 Feedback/Control "2" Injector 7 Feedback Only		853

Program Code	Function Code	Description	Entry	Program Code
854	Additive Injector #7 Volume per Cycle	Enter: Six digits defining the volume of product to be injected for each additive injector cycle (e.g., 001.000).	_____ . _____	854
855	Additive Injector #8 Feedback	Enter: "0" No Injector 8 Feedback "1" Injector 8 Feedback/Control "2" Injector 8 Feedback Only	___	855
856	Additive Injector #8 Volume per Cycle	Enter: Six digits defining the volume of product to be injected for each additive injector cycle (e.g., 001.000).	_____ . _____	856
857	Injector Units	Enter: Three character message identifying the injector units (e.g., Ozs).	___	857
858	Additive Injector Conversion Factor	Enter: Ten digits for converting the additive injector units (oz, cc etc.) to volume units (gal, liter, etc.) when using downstream additive injection. The first seven digits are the base number, the eighth unit is the exponent sign and the last two digits are the exponent. The exponent sign is entered as a zero for positive and a one for negative. (e.g., 7.812500E-03 conversion for ounce to gallon.)	_____ E _____	858
Note: If set to zero the AccuLoad II will not add the Additive volumes to the delivered product volumes.				
859	Additive Injector Feedback Errors	Enter: Two digits defining the number of errors before alarming.	___	859
860	Injector #1 Feedback Delay	Enter: Three digits in seconds allowed between feedbacks before an alarm.	___	860
861	Injector #2 Feedback Delay	Enter: Three digits in seconds allowed between feedbacks before an alarm.	___	861
862	Injector #3 Feedback Delay	Enter: Three digits in seconds allowed between feedbacks before an alarm.	___	862
863	Injector #4 Feedback Delay	Enter: Three digits in seconds allowed between feedbacks before an alarm.	___	863
864	Injector #5 Feedback Delay	Enter: Three digits in seconds allowed between feedbacks before an alarm.	___	864
865	Injector #6 Feedback Delay	Enter: Three digits in seconds allowed between feedbacks before an alarm.	___	865
866	Injector #7 Feedback Delay	Enter: Three digits in seconds allowed between feedbacks before an alarm.	___	866

Program Code	Function Code	Description	Entry	Program Code
867	Injector #8 Feedback Delay	Enter: Three digits in seconds allowed between feedbacks before an alarm.	___	867
868	Additive Alarm Action	Enter: "0" Additive Alarm with Shut-down "1" Additive Alarm Message at End of Batch with No Shut-down	___	868
<i>Note: This code applies to RBM-01 and above firmware.</i>				
869	Additive Alarm Message	Enter: Twenty characters for the additive alarm message.	_____	869
<i>Note: This code applies to RBM-01 and above firmware.</i>				
870	Additive Totals Units	Enter: "0" Gallons "1" Liters	___	870
<i>Note: 1. This code applies to RBM-01 and above firmware. 2. If a Smart Additive subsystem is selected, this code will be used rather than 857.</i>				
871-899	Unassigned at Present			871-899
900	System Diagnostic Directory			900
901	Diagnostic	Display Test	None	901
902	Diagnostic	Keypad Test	None	902
903	Diagnostic	RTD #1 Test	None	903
904	Diagnostic	RTD #2 Test	None	904
905	Diagnostic	RTD #3 Test	None	905
906	Diagnostic	RTD #4 Test	None	906
907	Diagnostic	Internal Temperature	None	907
908	Diagnostic	Power Supply Test	None	908
909	Diagnostic	Firmware Version	None	909
910	Diagnostic	AccuLoad II Model Number	Read Only	910
911	Diagnostic	ACM Model Number	Read Only	911
912	Diagnostic	System Messages	Read Only	912
913	Diagnostic	Calibration Event Counter	Read Only	913
<i>Note: This code applies to RBM-06 and above firmware.</i>				
914	Diagnostic	Configuration Event Counter	Read Only	914
<i>Note: This code applies to RBM-06 and above firmware.</i>				
915	Diagnostic	Configuration Dir. Event Counter	Read Only	915
<i>Note: This code applies to RBM-06 and above firmware.</i>				
916-939	Unassigned at Present			916-939
940	Protection of Program Codes 980-989	Enter: "0" for Weights and Measures Mode "1" for Program Mode	___	940
941	Diagnostic	Communication Test - EIA-232 No Echo Back	None	941
942	Diagnostic	Communication Test - EIA-232 With Echo	None	942
943	Diagnostic	Communication Test - EIA-485 No Echo Back	None	943
944	Diagnostic	Communication Test - EIA-485 With Echo	None	944
945	Diagnostic	Meter Pulse Channel 1 Active	None	945

Program Code	Function Code	Description	Entry	Program Code
946	Diagnostic	Meter Pulse Channel 1 Contact	None	946
947	Diagnostic	Meter Pulse Channel 2 Active	None	947
948	Diagnostic	Meter Pulse Channel 2 Contact	None	948
949	Diagnostic	Meter Pulse Channel 3 Active	None	949
950	Diagnostic	Meter Pulse Channel 3 Contact	None	950
951	Diagnostic	Meter Pulse Channel 4 Active	None	951
952	Diagnostic	Meter Pulse Channel 4 Contact	None	952
953	Diagnostic	Contact Input Test 1	None	953
954	Diagnostic	Contact Input Test 2	None	954
955	Diagnostic	High-Speed Prover Product 1	None	955
956	Diagnostic	High-Speed Prover Product 2	None	956
957	Diagnostic	High-Speed Prover Product 3	None	957
958	Diagnostic	High-Speed Prover Product 4	None	958
959	Diagnostic	Pulse Out 1 Test	None	959
960	Diagnostic	Pulse Out 2 Test	None	960
961	Diagnostic	Pulse Out 3 Test	None	961
962	Diagnostic	Pulse Out 4 Test	None	962
963	Diagnostic	Clear Local Storage	None	963
964	Diagnostic	Contact Output Test 1	None	964
965	Diagnostic	Contact Output Test 2	None	965
966	Diagnostic	Clear Configurable Report	None	966
967-990		Unassigned at Present	None	967-990
991	Diagnostic	Relay Test	None	991
992	Diagnostic	Ram Test	None	992
993	Diagnostic	Power-up Diagnostics	None	993
994	Diagnostic	See Operator Reference Manual	None	994
995	Diagnostic	See Operator Reference Manual	None	995
996	Diagnostic	Watchdog	None	996
997	Diagnostic	Relay Select Test #1	None	997
998	Diagnostic	Relay Select Test #2	None	998
999	Diagnostic	See Operator Reference Manual	None	999

Product Directories

100	Product General Purpose Directory					
101-139	Unassigned at Present					
140	Protection of Program Codes 180 - 189	Enter:	"0" for Weights and Measures Mode "1" for Program Mode	___	___	___
141	Product Selection	Enter:	"0" for Product in Use "1" for Product Not in Use	___	___	___
142-179	Unassigned at Present					
180	Product Message	Enter:	Up to nine characters for meter or product identifier (e.g., Regular).	Prod 1 _____	Prod 2 _____	Prod 3 _____ Prod 4 _____
181-199	Unassigned at Present					
200	Product Flow Control Directory					
201	Excess Flow Rate	Enter:	Two digits as a percentage (e.g., 10). "00" disables the High Flow Alarm.	___	___	___
202	Overrun Alarm Limit	Enter:	Two digits in whole units (e.g., 15). "00" disables the alarm.	___	___	___
203	Minimum Flow Rate	Enter:	Three digits in whole units (e.g., 080).	___	___	___
204	High Flow Rate	Enter:	Four digits in whole units (e.g., 0600). "0000" entry will not allow the valve to open.	___	___	___
205	Flow Tolerance	Enter:	One digit as a percentage of First High Flow Rate (e.g., 7).	___	___	___
206	Zero Flow Timer	Enter:	Two digits in seconds (e.g., 15). "00" disables the alarm.	___	___	___
207	First Trip Volume	Enter:	Four digits in whole units (e.g., 0050).	___	___	___
208	Final (Second) Trip Volume	Enter:	Three digits in tenth units (e.g., 01.0).	___	___	___
209	Final (Second) Trip Auto Adjust	Enter:	One digit which defines the number of runs to average. (e.g., 3)	___	___	___
210	Low Flow Rate Alarm Limit	Enter:	Three digits in whole units per minute (e.g., 050). "000" disables the alarm.	___	___	___
211	PT/VF Time Delay	Enter:	Two digits in seconds of time delay (e.g., 15). Entry must not be "00".	___	___	___
212-239	Unassigned at Present					
240	Protection of Program Codes 280-289	Enter:	"0" for Weights and Measures Mode "1" for Program Mode	___	___	___
241	Flow Control Valve	Enter:	"0" for No Security	___	___	___

Program Code	Function	Code Description	Prod 1	Prod 2	Prod 3	Prod 4
	Security	"1" for Security				
242-279		Unassigned at Present				
280	Flow Adjustment Tolerance	Enter: Two digits as a +/- percentage of the programmed or calculated flow rate. (e.g., +/-3.0).				
<i>Note: This code is used in conjunction with code 281, if code 281 is programmed "000" this function is disabled.</i>						
281	Flow Adjustment Timer	Enter: Three digits in tenths of a second for the flow rate adjustment tolerance to be in effect (e.g., 03.0).				
<i>Note: This code is used in conjunction with code 280, if this code is programmed "000" this function is disabled.</i>						
282-299		Unassigned at Present				
300		Product Volume Accuracy Directory				
301	Minimum Batch Volume	Enter: Five digits in whole units (e.g., up to 99,999 units).				
302-339		Unassigned at Present				
340	Protection of Program Codes 380-389	Enter: "0" for Weights and Measures Mode "1" for Program Mode				
341	Flow Rate for Meter Factor #1	Enter: Four digits in whole units per minute (e.g., 0600).				
342	Meter Factor #1	Enter: Five digits as one whole number followed by four decimals (e.g., 1.0033).				
343	Flow Rate for Meter Factor #2	Enter: Four digits in whole units per minute (e.g., 0400).				
<i>Note: If flow rate is set at zero the AccuLoad II will ignore codes 344 through 348.</i>						
344	Meter Factor #2	Enter: Five digits as one whole number followed by four decimals (e.g., 1.0040).				
345	Flow Rate for Meter Factor #3	Enter: Four digits in whole units per minute (e.g., 0150).				
<i>Note: If flow rate is set at zero the AccuLoad II will ignore codes 346 through 348.</i>						
346	Meter Factor #3	Enter: Five digits as one whole number followed by four decimals (e.g., 1.0048).				
347	Flow Rate for Meter Factor #4	Enter: Four digits in whole units per minute (e.g., 0080).				
<i>Note: If flow rate is set at zero the AccuLoad II will ignore code 348.</i>						
348	Meter Factor #4	Enter: Five digits as one whole number followed by four decimals (e.g., 1.0058).				
349	Meter Factor % Change/Deg.	Enter: Five digits representing the meter factor percent change per degree of unit temperature in percentage (e.g., 0.0012).				

Program Code	Function	Code Description	Prod 1	Prod 2	Prod 3	Prod 4
350	Meter Factor Reference Temperature	Enter: Four digits representing the temperature that the percent meter factor variation was determined; three whole units and one decimal in degrees (e.g., 120.1).				
351	Pulse Output	Enter: "0" Raw Pulse Out "1" Gross Pulse Out "2" Gst Pulse Out "3" Mass Pulse Out				
352	Pulse Resolution Output	Enter: Six digits defining the printer output resolution (units/pulse) in thousandths of units. "000000" disables this feature (e.g., 010.000).				
<i>Note: Input pulses must be 2.5 times greater than the output pulses (e.g., 100 output pulses/unit volume requires at least 250 input pulses/unit volume.</i>						
353	Input Resolution	Enter: Four digit number representing the number of pulses per unit of registration (e.g., 0100). Entry must be between 0025 and 9999.				
354	Dual Pulse Error Count	Enter: Three digits indicating the number of error counts from the Dual Pulse Comparator prior to alarming. (e.g., 050)				
<i>Note: "000" disables the error counting.</i>						
355	Dual Pulse Error Reset	Enter: "0" No DPC Error Reset "1" Reset at the End of Transaction Only "2" Reset Upon Power-up Only "3" Reset Upon Power-up and at the End of Each Transaction				
356	Dual Pulse Flow Rate Cutoff	Enter: Three digits defining the flow rate that the Dual Pulse errors will begin to be counted.				
357-389	Unassigned at Present					
390	Master Meter Factor	Enter: Five digits as one whole number followed by four decimals (e.g., 1.0040). Restricts meter factors 1 through 4, program codes 353, 355 357, and 359 to +/- 2% of this entry. Enter 0.0000 to disable this feature.				
391	Linearized Factor Deviation	Enter: Three digits in a percentage, one whole number followed by two decimals (e.g., 3.40). Restricts deviation between adjacent meter factors. Enter 0.00 to disable this feature.				

Program Code	Function	Code Description	Prod 1	Prod 2	Prod 3	Prod 4
392	Meter Factor Variation	Enter: "0" No Meter Factor Variation "1" Yes Meter Factor Variation				
393	Transmitter Type	Enter: "0" Single Channel "1" Dual Channel				
394-399		Unassigned at Present				
400		Product Temperature & Density Directory				
401-439		Unassigned at Present				
440	Protection of Program Codes 480-489	Enter: "0" for Weights and Measures Mode "1" for Program Mode				
441	API Table & Product	Enter: "00" No API Table "07" API Table 24B "01" API Table 6A "08" API Table 24D "02" API Table 6B "09" API Table 54 "03" API Table 6C "10" API Table 54A "04" API Table 6D "11" API Table 54B "05" API Table 24 "12" API Table 54C "06" API Table 24A "13" API Table 54D				
442	Reference Density	Enter: Five digit density with floating decimal. (e.g., 0999.9 to 0.9999 depending on selection in code 441).				
443	Low Temperature Alarm	Enter: Four digits. The first digit indicates polarity: First digit "0" = Positive First digit "1" = Negative The last three digits indicate temperature in whole degrees. (e.g., 0020 = + 020) Temperature units are dependent on entry made in code 441. An entry of -999 will disable this feature.				
444	High Temperature Alarm	Enter: Four digits. The first digit indicates polarity: First digit "0" = Positive First digit "1" = Negative The last three digits indicate temperature in whole degrees. (e.g., 0250 = + 250) Temperature units are dependent on entry made in code 441. An entry of 0999 (+999) will disable this feature.				
445	Maintenance Temperature	Enter: Five digits. The first digit indicates polarity: First digit "0" = Positive First digit "1" = Negative The last four digits indicate temperature in tenths of degrees. An entry of -999.9				

Program Code	Function	Code Description	Prod 1	Prod 2	Prod 3	Prod 4
		will disable this feature. (e.g., 0085.0 = + 85.0)				
446	Temperature Offset	Enter: Three digits. First digit must be "0" or "1" (0 = positive, 1 = negative). Second and third digits represent the offset temperature in tenth degrees (e.g., 10.5 entered will display at -0.5 degrees offset).				
447-499		Unassigned at Present				
500		Product Pressure Directory				
501	Minimum Back Pressure Flow Rate Setting	Enter: Four digits to select the minimum flow rate allowed during back pressure operation in whole units per minute. (e.g., 0100) "0000" disables the alarm.				
<i>Note: This is an alarm setting and is also used for Automatic Flow Optimization.</i>						
502	Minimum Back Pressure Flow Rate Timer Setting	Enter: Two digits in seconds to achieve a desired flow rate (e.g., 20). "00" disables this minimum flow rate timer and the back pressure reduction in code 503.				
503	BP Reduction	Enter: Two digits in % of flow rate for back pressure flow control and AFO (e.g., 90).				
504-539		Unassigned at Present				
540	Protection of Program Codes 580-589	Enter: "0" for Weights and Measures Mode "1" for Program Mode				
541-599		Unassigned at Present				
600		Product Read Only Directory				
601	Raw Non-resettable Volume	To be read only		None		
602	Gross Non-resettable Volume	To be read only		None		
603	Gross at Standard Temp. Non-resettable Volume	To be read only		None		
604	Mass Non-resettable Totals	To be read only		None		
605	Load Average Temperature	To be read only		None		
606	Load Average Meter Factor	To be read only		None		
607-639		Unassigned at Present				
640	Protection of Program Codes 680-689	Enter: "0" for Weights and Measures Mode "1" for Program Mode				
641-699		Unassigned at Present				

Program Code	Function	Code Description	Prod 1	Prod 2	Prod 3	Prod 4
700	Product Communications Directory					
701	HM Classification for Printout	Enter: First 20 characters of the classification. Prod1 _____ Prod2 _____ Prod3 _____ Prod4 _____				
702	HM Classification for Printout	Enter: Second 20 characters of the classification. Prod1 _____ Prod2 _____ Prod3 _____ Prod4 _____				
703	HM Classification for Printout	Enter: Third 20 characters of the classification. Prod1 _____ Prod2 _____ Prod3 _____ Prod4 _____				
704	HM Classification for Printout	Enter: Last 20 characters of the classification. Prod1 _____ Prod2 _____ Prod3 _____ Prod4 _____				
705-739	Unassigned at Present					
740	Protection of Program Codes 780-789	Enter: "0" for Weights and Measures Mode "1" for Program Mode				
741-799	Unassigned at Present					
800	Product Inputs & Outputs Directory					
801-839	Unassigned at Present					
840	Protection of Program Codes 880-889	Enter: "0" for Weights and Measures Mode "1" for Program Mode				
841-899	Unassigned at Present					
900	Product Diagnostics Directory					
901-939	Unassigned at Present					
940	Protection of Program Codes 980-989	Enter: "0" for Weights and Measures Mode "1" for Program Mode	None			
941-999	Unassigned at Present					

Program Code	Function Code	Description	Entry	Program Code
Blend Recipe Directories				
__00		Blend Recipe # __ Directory		
__01	Blend Recipe	Enter: "0" Recipe Disabled "1" Recipe Enabled		__01
__02	Blend Recipe Name	Enter: Up to nine characters for recipe identifier.		__02
__03	Recipe Raw Non-resettable Volume	To be read only	None	__03
__04	Recipe Gross Non-resettable Volume	To be read only	None	__04
__05	Recipe Gross at Standard Temp. Non-resettable Volume	To be read only	None	__05
__06	Recipe Mass Non-resettable Total	To be read only	None	__06
__07	HM Classification	Enter: "1" Product 1 "2" Product 2 "3" Product 3 "4" Product 4		__07
__08	Minimum Preset	To be read only		__08
__09	Product #1's high, 2nd high and low flow rates	To be read only		__09
__10	Product #2's high, 2nd high and low flow rates	To be read only		__10
__11	Product #3's high, 2nd high and low flow rates	To be read only		__11
__12	Product #4's high, 2nd high and low flow rates	To be read only		__12
__13-__39		Unassigned at Present		__13-__39
__40	Protection of Program Codes __80-__89	Enter: "0" for Weights and Measures Mode "1" for Program Mode		__40
__41	Blend Preset Display	Enter: "0" Raw Preset (Raw) "1" Gross Preset (Grs) "2" Gross Preset at Standard Temperature (Gst) "3" Mass Preset		__41
__42	Blend Deliver Display	Enter: "0" Raw Delivery (Raw) "1" Gross Delivery (Grs) "2" Gross Delivery at Standard Temperature (Gst) "3" Mass Delivery		__42
__43	Product #1 Percentage	Enter: Four digits in tenth of a percent (e.g., 050.0).	_____	__43
Note: Codes __43, __44, __45, and __46 must add up to 100%.				
__44	Product #2 Percentage	Enter: Four digits in tenth of a percent (e.g., 050.0).	_____	__44
Note: Codes __43, __44, __45, and __46 must add up to 100%.				
__45	Product #3	Enter: Four digits in tenth		__45

Program Code	Function Code	Description	Entry	Program Code
	Percentage	of a percent (e.g., 050.0).	_____	
<i>Note: Codes __43, __44, __45, and __46 must add up to 100%.</i>				
__46	Product #4 Percentage	Enter: Four digits in tenth of a percent (e.g., 050.0).	_____	__46
<i>Note: Codes __43, __44, __45, and __46 must add up to 100%.</i>				
__47	Products Using Injector #1	Enter: Four digit number indicating the products this injector is used with. 1st digit - Product 1 2nd digit - Product 2 3rd digit - Product 3 4th digit - Product 4 A zero in the digit indicates the injector will not be used with that product, a one indicates the injector will be used with that product. (e.g., 0100 indicates that this injector is used with product 2 only).	_____	__47
__48	Products Using Injector #2	Enter: Four digit number indicating the products this injector is used with. 1st digit - Product 1 2nd digit - Product 2 3rd digit - Product 3 4th digit - Product 4 A zero in the digit indicates the injector will not be used with that product, a one indicates the injector will be used with that product. (e.g., 0100 indicates that this injector is used with product 2 only).	_____	__48
__49	Products Using Injector #3	Enter: Four digit number indicating the products this injector is used with. 1st digit - Product 1 2nd digit - Product 2 3rd digit - Product 3 4th digit - Product 4 A zero in the digit indicates the injector will not be used with that product, a one indicates the injector will be used with that product. (e.g., 0100 indicates that this injector is used with product 2 only).	_____	__49

Program Code	Function Code	Description	Entry	Program Code
	Injector #4	<p>__50 the products this injector is used with.</p> <p>1st digit - Product 1 2nd digit - Product 2 3rd digit - Product 3 4th digit - Product 4</p> <p>A zero in the digit indicates the injector will not be used with that product, a one indicates the injector will be used with that product. (e.g., 0100 indicates that this injector is used with product 2 only).</p>		Product Using
__51	Product Using Injector #5	<p>Enter: Four digit number indicating the products this injector is used with.</p> <p>1st digit - Product 1 2nd digit - Product 2 3rd digit - Product 3 4th digit - Product 4</p> <p>A zero in the digit indicates the injector will not be used with that product, a one indicates the injector will be used with that product. (e.g., 0100 indicates that this injector is used with product 2 only).</p>	====	__51
__52	Product Using Injector #6	<p>Enter: Four digit number indicating the products this injector is used with.</p> <p>1st digit - Product 1 2nd digit - Product 2 3rd digit - Product 3 4th digit - Product 4</p> <p>A zero in the digit indicates the injector will not be used with that product, a one indicates the injector will be used with that product. (e.g., 0100 indicates that this injector is used with product 2 only).</p>	====	__52

Program Code	Function Code	Description	Entry	Program Code
__53	Product Using Injector #7	Enter: Four digit number indicating the products this injector is used with. 1st digit - Product 1 2nd digit - Product 2 3rd digit - Product 3 4th digit - Product 4 A zero in the digit indicates the injector will not be used with that product, a one indicates the injector will be used with that product. (e.g., 0100 indicates that this injector is used with product 2 only).		__53
__54	Product Using Injector #8	Enter: Four digit number indicating the products this injector is used with. 1st digit - Product 1 2nd digit - Product 2 3rd digit - Product 3 4th digit - Product 4 A zero in the digit indicates the injector will not be used with that product, a one indicates the injector will be used with that product. (e.g., 0100 indicates that this injector is used with product 2 only).		__54
__55	Recipe Correction Factor	Enter: Five digits as one whole number followed by four decimals (e.g., 1.1000).		__55
__56 - __79	Unassigned at Present			__56 - 79
__80	Clean Line Deduct	Enter: "0" Not Used "1" Product 1 "2" Product 2 "3" Product 3 "4" Product 4		__80
__81	Additive Injector Pulser No. 1	Enter: Three digits in whole units of delivered liquid per injector pulse (e.g., 040).		__81
__82	Additive Injector Pulser No. 2	Enter: Three digits in whole units of delivered liquid per injector pulse (e.g., 040).		__82
__83	Additive Injector Pulser No. 3	Enter: Three digits in whole units of delivered liquid per injector pulse (e.g., 040).		__83
__84	Additive Injector Pulser No. 4	Enter: Three digits in whole units of delivered liquid per injector pulse (e.g., 040).		__84

Program Code	Function Code	Description	Entry	Program Code
__85	Additive Injector Pulser No. 5	Enter: Three digits in whole units of delivered liquid per injector pulse (e.g., 040).	__ __ __	__85
__86	Additive Injector Pulser No. 6	Enter: Three digits in whole units of delivered liquid per injector pulse (e.g., 040).	__ __ __	__86
__87	Additive Injector Pulser No. 7	Enter: Three digits in whole units of delivered liquid per injector pulse (e.g., 040).	__ __ __	__87
__88	Additive Injector Pulser No. 8	Enter: Three digits in whole units of delivered liquid per injector pulse (e.g., 040).	__ __ __	__88

Code	Recipe 1	Recipe2	Recipe 3	Recipe 4
Side No.	—	—	—	—
__01	—	—	—	—
__02	_____	_____	_____	_____
__03	Read Only	Read Only	Read Only	Read Only
__04	Read Only	Read Only	Read Only	Read Only
__05	Read Only	Read Only	Read Only	Read Only
__06	Read Only	Read Only	Read Only	Read Only
__07	_____	_____	_____	_____
__08	_____	_____	_____	_____
__09	_____	_____	_____	_____
__10	_____	_____	_____	_____
__11	_____	_____	_____	_____
__12	_____	_____	_____	_____
__40	—	—	—	—
__41	—	—	—	—
__42	—	—	—	—
__43	_____.	_____.	_____.	_____.
__44	_____.	_____.	_____.	_____.
__45	_____.	_____.	_____.	_____.
__46	_____.	_____.	_____.	_____.
__47	_____	_____	_____	_____
__48	_____	_____	_____	_____
__49	_____	_____	_____	_____
__50	_____	_____	_____	_____
__51	_____	_____	_____	_____
__52	_____	_____	_____	_____
__53	_____	_____	_____	_____
__54	_____	_____	_____	_____
__55	_____.	_____.	_____.	_____.

Code	Recipe 1	Recipe2	Recipe 3	Recipe 4
__80	—	—	—	—
__81	— — — —	— — — —	— — — —	— — — —
__82	— — — —	— — — —	— — — —	— — — —
__83	— — — —	— — — —	— — — —	— — — —
__84	— — — —	— — — —	— — — —	— — — —
__85	— — — —	— — — —	— — — —	— — — —
__86	— — — —	— — — —	— — — —	— — — —
__87	— — — —	— — — —	— — — —	— — — —
__88	— — — —	— — — —	— — — —	— — — —

Note: Codes __08, __09, __10, __11 and __12 are Read Only codes, space has been provided to record the flow rates for each product in the recipe.

Code	Recipe 5	Recipe 6	Recipe 7	Recipe 8
Side No.	—	—	—	—
__01	—	—	—	—
__02	_____	_____	_____	_____
__03	Read Only	Read Only	Read Only	Read Only
__04	Read Only	Read Only	Read Only	Read Only
__05	Read Only	Read Only	Read Only	Read Only
__06	Read Only	Read Only	Read Only	Read Only
__07	_____	_____	_____	_____
__08	_____	_____	_____	_____
__09	_____	_____	_____	_____
__10	_____	_____	_____	_____
__11	_____	_____	_____	_____
__12	_____	_____	_____	_____
__40	—	—	—	—
__41	—	—	—	—
__42	—	—	—	—
__43	_____.	_____.	_____.	_____.
__44	_____.	_____.	_____.	_____.
__45	_____.	_____.	_____.	_____.
__46	_____.	_____.	_____.	_____.
__47	_____	_____	_____	_____
__48	_____	_____	_____	_____
__49	_____	_____	_____	_____
__50	_____	_____	_____	_____
__51	_____	_____	_____	_____
__52	_____	_____	_____	_____
__53	_____	_____	_____	_____
__54	_____	_____	_____	_____
__55	_____.	_____.	_____.	_____.

Code	Recipe 5	Recipe 6	Recipe 7	Recipe 8
__80	—	—	—	—
__81	— — — —	— — — —	— — — —	— — — —
__82	— — — —	— — — —	— — — —	— — — —
__83	— — — —	— — — —	— — — —	— — — —
__84	— — — —	— — — —	— — — —	— — — —
__85	— — — —	— — — —	— — — —	— — — —
__86	— — — —	— — — —	— — — —	— — — —
__87	— — — —	— — — —	— — — —	— — — —
__88	— — — —	— — — —	— — — —	— — — —

Note: Codes __08, __09, __10, __11 and __12 are Read Only codes, space has been provided to record the flow rates for each product in the recipe.

Code	Recipe 9	Recipe 10	Recipe 11	Recipe 12
Side No.	—	—	—	—
__01	—	—	—	—
__02	_____	_____	_____	_____
__03	Read Only	Read Only	Read Only	Read Only
__04	Read Only	Read Only	Read Only	Read Only
__05	Read Only	Read Only	Read Only	Read Only
__06	Read Only	Read Only	Read Only	Read Only
__07	_____	_____	_____	_____
__08	_____	_____	_____	_____
__09	_____	_____	_____	_____
__10	_____	_____	_____	_____
__11	_____	_____	_____	_____
__12	_____	_____	_____	_____
__40	—	—	—	—
__41	—	—	—	—
__42	—	—	—	—
__43	_____.	_____.	_____.	_____.
__44	_____.	_____.	_____.	_____.
__45	_____.	_____.	_____.	_____.
__46	_____.	_____.	_____.	_____.
__47	_____	_____	_____	_____
__48	_____	_____	_____	_____
__49	_____	_____	_____	_____
__50	_____	_____	_____	_____
__51	_____	_____	_____	_____
__52	_____	_____	_____	_____
__53	_____	_____	_____	_____
__54	_____	_____	_____	_____
__55	_____.	_____.	_____.	_____.

Code	Recipe 9	Recipe 10	Recipe 11	Recipe 12
__80	__	__	__	__
__81	____	____	____	____
__82	____	____	____	____
__83	____	____	____	____
__84	____	____	____	____
__85	____	____	____	____
__86	____	____	____	____
__87	____	____	____	____
__88	____	____	____	____

Note: Codes __08, __09, __10, __11 and __12 are Read Only codes, space has been provided to record the flow rates for each product in the recipe.

Code	Recipe 13	Recipe 14	Recipe 15	Recipe 16
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Side No.	—	—	—	—
__01	—	—	—	—
__02	_____	_____	_____	_____
__03	Read Only	Read Only	Read Only	Read Only
__04	Read Only	Read Only	Read Only	Read Only
__05	Read Only	Read Only	Read Only	Read Only
__06	Read Only	Read Only	Read Only	Read Only
__07	_____	_____	_____	_____
__08	_____	_____	_____	_____
__09	_____	_____	_____	_____
__10	_____	_____	_____	_____
__11	_____	_____	_____	_____
__12	_____	_____	_____	_____
__40	—	—	—	—
__41	—	—	—	—
__42	—	—	—	—
__43	_____.	_____.	_____.	_____.
__44	_____.	_____.	_____.	_____.
__45	_____.	_____.	_____.	_____.
__46	_____.	_____.	_____.	_____.
__47	_____	_____	_____	_____
__48	_____	_____	_____	_____
__49	_____	_____	_____	_____
__50	_____	_____	_____	_____
__51	_____	_____	_____	_____
__52	_____	_____	_____	_____
__53	_____	_____	_____	_____
__54	_____	_____	_____	_____
__55	_____.	_____.	_____.	_____.

Code	Recipe 13	Recipe 14	Recipe 15	Recipe 16
__80	—	—	—	—
__81	— — — —	— — — —	— — — —	— — — —
__82	— — — —	— — — —	— — — —	— — — —
__83	— — — —	— — — —	— — — —	— — — —
__84	— — — —	— — — —	— — — —	— — — —
__85	— — — —	— — — —	— — — —	— — — —
__86	— — — —	— — — —	— — — —	— — — —
__87	— — — —	— — — —	— — — —	— — — —
__88	— — — —	— — — —	— — — —	— — — —

Note: Codes __08, __09, __10, __11 and __12 are Read Only codes, space has been provided to record the flow rates for each product in the recipe.

Code	Recipe 17	Recipe 18	Recipe 19	Recipe 20
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Side No.	—	—	—	
__01	—	—	—	—
__02	_____	_____	_____	_____
__03	Read Only	Read Only	Read Only	Read Only
__04	Read Only	Read Only	Read Only	Read Only
__05	Read Only	Read Only	Read Only	Read Only
__06	Read Only	Read Only	Read Only	Read Only
__07	_____	_____	_____	_____
__08	_____	_____	_____	_____
__09	_____	_____	_____	_____
__10	_____	_____	_____	_____
__11	_____	_____	_____	_____
__12	_____	_____	_____	_____
__40	—	—	—	—
__41	—	—	—	—
__42	—	—	—	—
__43	_____.	_____.	_____.	_____.
__44	_____.	_____.	_____.	_____.
__45	_____.	_____.	_____.	_____.
__46	_____.	_____.	_____.	_____.
__47	_____	_____	_____	_____
__48	_____	_____	_____	_____
__49	_____	_____	_____	_____
__50	_____	_____	_____	_____
__51	_____	_____	_____	_____
__52	_____	_____	_____	_____
__53	_____	_____	_____	_____
__54	_____	_____	_____	_____
__55	_____.	_____.	_____.	_____.

Code	Recipe 17	Recipe 18	Recipe 19	Recipe 20
__80	---	---	---	---
__81	----	----	----	----
__82	----	----	----	----
__83	----	----	----	----
__84	----	----	----	----
__85	----	----	----	----
__86	----	----	----	----
__87	----	----	----	----
__88	----	----	----	----

Note: Codes __08, __09, __10, __11 and __12 are Read Only codes, space has been provided to record the flow rates for each product in the recipe.

Code	Recipe 21	Recipe 22	Recipe 23	Recipe 24
Side No.	—	—	—	—
__01	—	—	—	—
__02	_____	_____	_____	_____
__03	Read Only	Read Only	Read Only	Read Only
__04	Read Only	Read Only	Read Only	Read Only
__05	Read Only	Read Only	Read Only	Read Only
__06	Read Only	Read Only	Read Only	Read Only
__07	_____	_____	_____	_____
__08	_____	_____	_____	_____
__09	_____	_____	_____	_____
__10	_____	_____	_____	_____
__11	_____	_____	_____	_____
__12	_____	_____	_____	_____
__40	—	—	—	—
__41	—	—	—	—
__42	—	—	—	—
__43	_____.	_____.	_____.	_____.
__44	_____.	_____.	_____.	_____.
__45	_____.	_____.	_____.	_____.
__46	_____.	_____.	_____.	_____.
__47	_____	_____	_____	_____
__48	_____	_____	_____	_____
__49	_____	_____	_____	_____
__50	_____	_____	_____	_____
__51	_____	_____	_____	_____
__52	_____	_____	_____	_____
__53	_____	_____	_____	_____
__54	_____	_____	_____	_____
__55	_____.	_____.	_____.	_____.

Code	Recipe 21	Recipe 22	Recipe 23	Recipe 24
__80	__	__	__	__
__81	____	____	____	____
__82	____	____	____	____
__83	____	____	____	____
__84	____	____	____	____
__85	____	____	____	____
__86	____	____	____	____
__87	____	____	____	____
__88	____	____	____	____

Note: Codes __08, __09, __10, __11 and __12 are Read Only codes, space has been provided to record the flow rates for each product in the recipe.

Appendix I

RBM Display Customization Entry Table

Entry Number	Entry Description	Translation	Output Length
<i>*1</i>	<i>Alarm - See Manager</i>		<i>22</i>
<i>*2</i>	<i>Alarm Press "CLEAR"</i>		<i>22</i>
<i>*3</i>	<i>Alarm Press "PRINT"</i>		<i>22</i>
<i>*4</i>	<i>Alarm - Remove Ticket</i>		<i>22</i>
<i>5</i>	<i>Press CLEAR to Continue</i>		<i>24</i>
<i>6</i>	<i>Press START to Continue</i>		<i>24</i>
<i>7</i>	<i>** Remove Ticket **</i>		<i>24</i>
<i>8</i>	<i>Please Wait</i>		<i>24</i>
<i>9</i>	<i>Report Pending to Print</i>		<i>24</i>
<i>10</i>	<i>No Local Start Allowed</i>		<i>24</i>
<i>11</i>	<i>Select Recipe</i>		<i>13</i>
<i>**12</i>	<i>Recipe No</i>		<i>10</i>
<i>13</i>	<i>No Recipes Available</i>		<i>20</i>
<i>14</i>	<i>Current Recipe=</i>		<i>15</i>
<i>**15</i>	<i>Current Products</i>		<i>17</i>
<i>16</i>	<i>Recipe Ld Temp</i>		<i>14</i>
<i>17</i>	<i>LdTmp</i>		<i>5</i>
<i>18</i>	<i>Load Avg Tmp</i>		<i>12</i>
<i>19</i>	<i>Load Avg Mfac</i>		<i>13</i>
<i>20</i>	<i>**Batch Limit Reached**</i>		<i>23</i>
<i>21</i>	<i>** Error Press CLEAR **</i>		<i>24</i>
<i>22</i>	<i>Recipe</i>		<i>6</i>
<i>23</i>	<i>System</i>		<i>6</i>
<i>24</i>	<i>Product 1</i>		<i>9</i>
<i>25</i>	<i>Product 2</i>		<i>9</i>
<i>26</i>	<i>Product 3</i>		<i>9</i>
<i>27</i>	<i>Product 4</i>		<i>9</i>
<i>28</i>	<i>Product</i>		<i>7</i>
<i>29</i>	<i>Summary</i>		<i>7</i>
<i>30</i>	<i>Dyn Display</i>		<i>12</i>

Entry Number	Entry Description	Translation	Output Length
**31	Restart in		11
**32	Valve Delay =		14
33	** Not Authorized **		24
34	Flow		4
35	Flow =		7
36	Flow* =		7
37	Flow+ =		7
38	Flow- =		7
39	/Min		4
40	/Hr		3
**41	Temperature =		15
**42	Ref Density		12
**43	Rel Density =		18
**44	Meter Factor =		18
45	Raw		3
46	Grs		3
47	Gst		3
48	Mass		4
49	Mas		3
50	Add 1 =		7
51	Add 2 =		7
52	Add 3 =		7
53	Add 4 =		7
54	Add 5 =		7
55	Add 6 =		7
56	Add 7 =		7
57	Add 8 =		7
58	Injector		8
59	Select Injector#		16
60	Inj On=#		8
61	No Injectors Selected		24
62	Inj		3

Entry Number	Entry Description	Translation	Output Length
63	<i>Prg</i>		3
64	<i>Cal</i>		3
65	<i>Total</i>		5
**66	<i>Valve Requested</i>		17
67	<i>Open</i>		4
68	<i>Closed</i>		6
69	<i>Lock</i>		4
70	<i>Off</i>		3
71	<i>On</i>		3
72	<i>Secs.</i>		5
73	<i>Current</i>		7
74	<i>Desired</i>		7
75	<i>% of Batch</i>		10
76	<i>Batch</i>		5
77	<i>Trans</i>		5
78	<i>Preset Completed</i>		16
79,80,**81	<i>Preset batch volume exceeds the maximum permitted.</i>		3 * 24
82,83,**84	<i>Preset batch volume is below the minimum required.</i>		3 * 24
85,**86	<i>The minimum preset for this recipe is</i>		2 * 24
87,88, 89,90, 91,92, 93	<i>Warning: Premature batch termination will result in out of blend delivery. If you desire to terminate anyway, press ENTER otherwise, press CLEAR to continue.</i>		7 * 24
94,95	<i>Invalid I.D. Number. Press CLEAR to enter.</i>		2 * 24
96,97,98	<i>Recipe selected is not available. Press CLEAR to continue.</i>		3 * 24
99,100,**101	<i>The preset volume will cause the max transaction volume to be exceeded.</i>		3 * 24

Entry Number	Entry Description	Translation	Output Length
102,**103	Fatal: Entry is out of specified range.		2 * 24
104	Prv Err		7
**105	Prd		4
**106	Rcp		4
*107	Not Used This Side		19
108	This Side Not Used		24
109	Diagnostics Active		24

Note: The output length of each table entry signifies the maximum number of characters allowable for that particular message even though the default message may not take up all spaces allowed.

Note: * An entry number flagged with an asterisk (*), designates that the entry description should have a leading space in the message. This will allow for display concatenation without running words together.

Note: ** An entry number flagged with two asterisks (**), designates that the entry description should have a trailing space in the message. This will allow for display concatenation without running words together.

Note: Any table entry that has more than one entry number are 24 character messages each. They are concatenated together to form a scrolling message.

Appendix II

The following table provides the entry number, description of the data entry, the code reference (if any) and the number of columns required for the data.

DELIVERY REPORT CONFIGURABLE ENTRY TABLE

Entry	Description	Code Ref	Columns
1	Alarm History Alarm Codes		60
2	Transaction Completion Time and Date		8
3	Transaction Number		4
4	Response to Prompt Message One		9
5	Response to Prompt Message Two		9
6	Response to Prompt Message Three		9
7	Response to Prompt Message Four		9
8	Response to Prompt Message Five		9
9	Recipe Name for the First Batch Run	R_ _02	9
10	Recipe Name for the Second Batch Run	R_ _02	9
11	Recipe Name for the Third Batch Run	R_ _02	9
12	Recipe Name for the Fourth Batch Run	R_ _02	9
13	Recipe Name for the Fifth Batch Run	R_ _02	9
14	Recipe Name for the Sixth Batch Run	R_ _02	9
15	First User Selected Volume for the Recipe Volume for the First Batch Run		7
16	First User Selected Volume for the Recipe Volume for the Second Batch Run		7
17	First User Selected Volume for the Recipe Volume for the Third Batch Run		7
18	First User Selected Volume for the Recipe Volume for the Fourth Batch Run		7
19	First User Selected Volume for the Recipe Volume for the Fifth Batch Run		7
20	First User Selected Volume for the Recipe Volume for the Sixth Batch Run		7
21	Second User Selected Volume for the Recipe Volume for the First Batch Run		7
22	Second User Selected Volume for the Recipe Volume for the Second Batch Run		7
23	Second User Selected Volume for the Recipe Volume for the Third Batch Run		7

Entry	Description	Code Ref	Columns
24	Second User Selected Volume for the Recipe Volume for the Fourth Batch Run		7
25	Second User Selected Volume for the Recipe Volume for the Fifth Batch Run		7
26	Second User Selected Volume for the Recipe Volume for the Sixth Batch Run		7
27	Third User Selected Volume for the Recipe Volume for the First Batch Run		7
28	Third User Selected Volume for the Recipe Volume for the Second Batch Run		7
29	Third User Selected Volume for the Recipe Volume for the Third Batch Run		7
30	Third User Selected Volume for the Recipe Volume for the Fourth Batch Run		7
31	Third User Selected Volume for the Recipe Volume for the Fifth Batch Run		7
32	Third User Selected Volume for the Recipe Volume for the Sixth Batch Run		7
33	Recipe Name for the First Recipe Run for the Transaction	R__02	9
34	Recipe Name for the Second Recipe Run for the Transaction	R__02	9
35	Recipe Name for the Third Recipe Run for the Transaction	R__02	9
36	Recipe Name for the Fourth Recipe Run for the Transaction	R__02	9
37	Recipe Name for the Fifth Recipe Run for the Transaction	R__02	9
38	Recipe Name for the Sixth Recipe Run for the Transaction	R__02	9
39	Transaction Volume of the First Recipe Run, First User Selected Volume		7
40	Transaction Volume of the Second Recipe Run, First User Selected Volume		7
41	Transaction Volume of the Third Recipe Run, First User Selected Volume		7
42	Transaction Volume of the Fourth Recipe Run, First User Selected Volume		7
43	Transaction Volume of the Fifth Recipe Run, First User Selected Volume		7
44	Transaction Volume of the Sixth Recipe Run, First		7

Entry	Description	Code Ref	Columns
	User Selected Volume		
45	Transaction Volume of the First Recipe Run, Second User Selected Volume		7
46	Transaction Volume of the Second Recipe Run, Second User Selected Volume		7
47	Transaction Volume of the Third Recipe Run, Second User Selected Volume		7
48	Transaction Volume of the Fourth Recipe Run, Second User Selected Volume		7
49	Transaction Volume of the Fifth Recipe Run, Second User Selected Volume		7
50	Transaction Volume of the Sixth Recipe Run, Second User Selected Volume		7
51	Transaction Volume of the First Recipe Run, Third User Selected Volume		7
52	Transaction Volume of the Second Recipe Run, Third User Selected Volume		7
53	Transaction Volume of the Third Recipe Run, Third User Selected Volume		7
54	Transaction Volume of the Fourth Recipe Run, Third User Selected Volume		7
55	Transaction Volume of the Fifth Recipe Run, Third User Selected Volume		7
56	Transaction Volume of the Sixth Recipe Run, Third User Selected Volume		7
57	Additive Number One Name	S814	9
58	Additive Number Two Name	S815	9
59	Additive Number Three Name	S816	9
60	Additive Number Four Name	S817	9
61	Additive Number Five Name	S818	9
62	Additive Number Six Name	S819	9
63	Additive Number Seven Name	S820	9
64	Additive Number Eight Name	S821	9
65	Additive Injector # 1 Volume for the First Batch Run		9
66	Additive Injector # 1 Volume for the Second Batch Run		9
67	Additive Injector # 1 Volume for the Third Batch Run		9
68	Additive Injector # 1 Volume for the Fourth Batch Run		9

Entry	Description	Code Ref	Columns
69	Additive Injector # 1 Volume for the Fifth Batch Run		9
70	Additive Injector # 1 Volume for the Sixth Batch Run		9
71	Additive Injector # 2 Volume for the First Batch Run		9
72	Additive Injector # 2 Volume for the Second Batch Run		9
73	Additive Injector # 2 Volume for the Third Batch Run		9
74	Additive Injector # 2 Volume for the Fourth Batch Run		9
75	Additive Injector # 2 Volume for the Fifth Batch Run		9
76	Additive Injector # 2 Volume for the Sixth Batch Run		9
77	Additive Injector # 3 Volume for the First Batch Run		9
78	Additive Injector # 3 Volume for the Second Batch Run		9
79	Additive Injector # 3 Volume for the Third Batch Run		9
80	Additive Injector # 3 Volume for the Fourth Batch Run		9
81	Additive Injector # 3 Volume for the Fifth Batch Run		9
82	Additive Injector # 3 Volume for the Sixth Batch Run		9
83	Additive Injector # 4 Volume for the First Batch Run		9
84	Additive Injector # 4 Volume for the Second Batch Run		9
85	Additive Injector # 4 Volume for the Third Batch Run		9
86	Additive Injector # 4 Volume for the Fourth Batch Run		9
87	Additive Injector # 4 Volume for the Fifth Batch Run		9
88	Additive Injector # 4 Volume for the Sixth Batch Run		9
89	Additive Injector # 5 Volume for the First Batch Run		9
90	Additive Injector # 5 Volume for the Second Batch Run		9
91	Additive Injector # 5 Volume for the Third Batch Run		9
92	Additive Injector # 5 Volume for the Fourth Batch Run		9
93	Additive Injector # 5 Volume for the Fifth Batch Run		9
94	Additive Injector # 5 Volume for the Sixth Batch Run		9
95	Additive Injector # 6 Volume for the First Batch Run		9
96	Additive Injector # 6 Volume for the Second Batch		9

Entry	Description	Code Ref	Columns
	Run		
97	Additive Injector # 6 Volume for the Third Batch Run		9
98	Additive Injector # 6 Volume for the Fourth Batch Run		9
99	Additive Injector # 6 Volume for the Fifth Batch Run		9
100	Additive Injector # 6 Volume for the Sixth Batch Run		9
101	Additive Injector # 7 Volume for the First Batch Run		9
102	Additive Injector # 7 Volume for the Second Batch Run		9
103	Additive Injector # 7 Volume for the Third Batch Run		9
104	Additive Injector # 7 Volume for the Fourth Batch Run		9
105	Additive Injector # 7 Volume for the Fifth Batch Run		9
106	Additive Injector # 7 Volume for the Sixth Batch Run		9
107	Additive Injector # 8 Volume for the First Batch Run		9
108	Additive Injector # 8 Volume for the Second Batch Run		9
109	Additive Injector # 8 Volume for the Third Batch Run		9
110	Additive Injector # 8 Volume for the Fourth Batch Run		9
111	Additive Injector # 8 Volume for the Fifth Batch Run		9
112	Additive Injector # 8 Volume for the Sixth Batch Run		9
113	Additive Injector #1 Transaction Volume		9
114	Additive Injector #2 Transaction Volume		9
115	Additive Injector #3 Transaction Volume		9
116	Additive Injector #4 Transaction Volume		9
117	Additive Injector #5 Transaction Volume		9
118	Additive Injector #6 Transaction Volume		9
119	Additive Injector #7 Transaction Volume		9
120	Additive Injector #8 Transaction Volume		9
121	Product Name of Product One	P180	9
122	Product Name of Product Two	P180	9
123	Product Name of Product Three	P180	9
124	Product Name of Product Four	P180	9
125	First User Selected Volume for Product One, First		7

Entry	Description	Code Ref	Columns
	Batch		
126	First User Selected Volume for Product One, Second Batch		7
127	First User Selected Volume for Product One, Third Batch		7
128	First User Selected Volume for Product One, Fourth Batch		7
129	First User Selected Volume for Product One, Fifth Batch		7
130	First User Selected Volume for Product One, Sixth Batch		7
131	First User Selected Volume for Product Two, First Batch		7
132	First User Selected Volume for Product Two, Second Batch		7
133	First User Selected Volume for Product Two, Third Batch		7
134	First User Selected Volume for Product Two, Fourth Batch		7
135	First User Selected Volume for Product Two, Fifth Batch		7
136	First User Selected Volume for Product Two, Sixth Batch		7
137	First User Selected Volume for Product Three, First Batch		7
138	First User Selected Volume for Product Three, Second Batch		7
139	First User Selected Volume for Product Three, Third Batch		7
140	First User Selected Volume for Product Three, Fourth Batch		7
141	First User Selected Volume for Product Three, Fifth Batch		7
142	First User Selected Volume for Product Three, Sixth Batch		7
143	First User Selected Volume for Product Four, First Batch		7
144	First User Selected Volume for Product Four, Second Batch		7
145	First User Selected Volume for Product Four, Third Batch		7

Entry	Description	Code Ref	Columns
146	First User Selected Volume for Product Four, Fourth Batch		7
147	First User Selected Volume for Product Four, Fifth Batch		7
148	First User Selected Volume for Product Four, Sixth Batch		7
149	Second User Selected Volume for Product One, First Batch		7
150	Second User Selected Volume for Product One, Second Batch		7
151	Second User Selected Volume for Product One, Third Batch		7
152	Second User Selected Volume for Product One, Fourth Batch		7
153	Second User Selected Volume for Product One, Fifth Batch		7
154	Second User Selected Volume for Product One, Sixth Batch		7
155	Second User Selected Volume for Product Two, First Batch		7
156	Second User Selected Volume for Product Two, Second Batch		7
157	Second User Selected Volume for Product Two, Third Batch		7
158	Second User Selected Volume for Product Two, Fourth Batch		7
159	Second User Selected Volume for Product Two, Fifth Batch		7
160	Second User Selected Volume for Product Two, Sixth Batch		7
161	Second User Selected Volume for Product Three, First Batch		7
162	Second User Selected Volume for Product Three, Second Batch		7
163	Second User Selected Volume for Product Three, Third Batch		7
164	Second User Selected Volume for Product Three, Fourth Batch		7
165	Second User Selected Volume for Product Three, Fifth Batch		7
167	Second User Selected Volume for Product Three,		7

Entry	Description	Code Ref	Columns
	Sixth Batch		
177	Second User Selected Volume for Product Four, First Batch		7
178	Second User Selected Volume for Product Four, Second Batch		7
179	Second User Selected Volume for Product Four, Third Batch		7
170	Second User Selected Volume for Product Four, Fourth Batch		7
171	Second User Selected Volume for Product Four, Fifth Batch		7
172	Second User Selected Volume for Product Four, Sixth Batch		7
173	Third User Selected Volume for Product One, First Batch		7
174	Third User Selected Volume for Product One, Second Batch		7
175	Third User Selected Volume for Product One, Third Batch		7
176	Third User Selected Volume for Product One, Fourth Batch		7
177	Third User Selected Volume for Product One, Fifth Batch		7
178	Third User Selected Volume for Product One, Sixth Batch		7
179	Third User Selected Volume for Product Two, First Batch		7
180	Third User Selected Volume for Product Two, Second Batch		7
181	Third User Selected Volume for Product Two, Third Batch		7
182	Third User Selected Volume for Product Two, Fourth Batch		7
183	Third User Selected Volume for Product Two, Fifth Batch		7
184	Third User Selected Volume for Product Two, Sixth Batch		7
185	Third User Selected Volume for Product Three, First Batch		7
186	Third User Selected Volume for Product Three, Second Batch		7

Entry	Description	Code Ref	Columns
187	Third User Selected Volume for Product Three, Third Batch		7
188	Third User Selected Volume for Product Three, Fourth Batch		7
189	Third User Selected Volume for Product Three, Fifth Batch		7
190	Third User Selected Volume for Product Three, Sixth Batch		7
191	Third User Selected Volume for Product Four, First Batch		7
192	Third User Selected Volume for Product Four, Second Batch		7
193	Third User Selected Volume for Product Four, Third Batch		7
194	Third User Selected Volume for Product Four, Fourth Batch		7
195	Third User Selected Volume for Product Four, Fifth Batch		7
196	Third User Selected Volume for Product Four, Sixth Batch		7
197	Transaction Volume of Product One, First User Selected Volume		7
198	Transaction Volume of Product Two, First User Selected Volume		7
199	Transaction Volume of Product Three, First User Selected Volume		7
200	Transaction Volume of Product Four, First User Selected Volume		7
201	Transaction Volume of Product One, Second User Selected Volume		7
202	Transaction Volume of Product Two, Second User Selected Volume		7
203	Transaction Volume of Product Three, Second User Selected Volume		7
204	Transaction Volume of Product Four, Second User Selected Volume		7
205	Transaction Volume of Product One, Third User Selected Volume		7
206	Transaction Volume of Product Two, Third User Selected Volume		7
207	Transaction Volume of Product Three, Third User		7

Entry	Description	Code Ref	Columns
	Selected Volume		
208	Transaction Volume of Product Four, Third User Selected Volume		7
209	Load Average Temperature for the First Batch Run		6
210	Load Average Temperature for the Second Batch Run		6
211	Load Average Temperature for the Third Batch Run		6
212	Load Average Temperature for the Fourth Batch Run		6
213	Load Average Temperature for the Fifth Batch Run		6
214	Load Average Temperature for the Sixth Batch Run		6
215	Load Average Temperature for Product One, First Batch		6
216	Load Average Temperature for Product One, Second Batch		6
217	Load Average Temperature for Product One, Third Batch		6
218	Load Average Temperature for Product One, Fourth Batch		6
219	Load Average Temperature for Product One, Fifth Batch		6
220	Load Average Temperature for Product One, Sixth Batch		6
221	Load Average Temperature for Product Two, First Batch		6
222	Load Average Temperature for Product Two, Second Batch		6
223	Load Average Temperature for Product Two, Third Batch		6
224	Load Average Temperature for Product Two, Fourth Batch		6
225	Load Average Temperature for Product Two, Fifth Batch		6
226	Load Average Temperature for Product Two, Sixth Batch		6
227	Load Average Temperature for Product Three, First Batch		6
228	Load Average Temperature for Product Three, Second Batch		6
229	Load Average Temperature for Product Three, Third		6

Entry	Description	Code Ref	Columns
	Batch		
230	Load Average Temperature for Product Three, Fourth Batch		6
231	Load Average Temperature for Product Three, Fifth Batch		6
232	Load Average Temperature for Product Three, Sixth Batch		6
233	Load Average Temperature for Product Four, First Batch		6
234	Load Average Temperature for Product Four, Second Batch		6
235	Load Average Temperature for Product Four, Third Batch		6
236	Load Average Temperature for Product Four, Fourth Batch		6
237	Load Average Temperature for Product Four, Fifth Batch		6
238	Load Average Temperature for Product Four, Sixth Batch		6
239	Transaction Load Average Temperature, First Recipe		6
240	Transaction Load Average Temperature, Second Recipe		6
241	Transaction Load Average Temperature, Third Recipe		6
242	Transaction Load Average Temperature, Fourth Recipe		6
243	Transaction Load Average Temperature, Fifth Recipe		6
244	Transaction Load Average Temperature, Sixth Recipe		6
245	Transaction Load Average Temperature, Product One		6
246	Transaction Load Average Temperature, Product Two		6
247	Transaction Load Average Temperature, Product Three		6
248	Transaction Load Average Temperature, Product Four		6
249	Reference Density Product One	P442	6
250	Reference Density Product Two	P442	6

Entry	Description	Code Ref	Columns
251	Reference Density Product Three	P442	6
252	Reference Density Product Four	P442	6
253	Prompt Message One	S725	20
254	Prompt Message Two	S726	20
255	Prompt Message Three	S727	20
256	Prompt Message Four	S728	20
257	Prompt Message Five	S729	20
258	Printer Message Number One	S710	20
259	Printer Message Number Two	S711	20
260	Printer Message Number Three	S712	20
261	Printer Message Number Four	S713	20
262	Printer Message Number Five	S714	20
263	Printer Message Number Six	S715	20
264	Printer Message Number Seven	S716	20
265	Printer Message Number Eight	S717	20
266	Printer Message Number Nine	S718	20
267	Printer Message Number Ten	S719	20
268	Printer Message Number Eleven	S720	20
269	Printer Message Number Twelve	S721	20
270	Printer Message Number Thirteen	S722	20
271	Printer Message Number Fourteen	S723	20
272	Printer Message Number Fifteen	S724	20
273	HM Classification for the First Batch Run	P701-704	80
274	HM Classification for the Second Batch Run	P701-704	80
275	HM Classification for the Third Batch Run	P701-704	80
276	HM Classification for the Fourth Batch Run	P701-704	80
277	HM Classification for the Fifth Batch Run	P701-704	80
278	HM Classification for the Sixth Batch Run	P701-704	80
279	HM Classification for the Transaction	P701-704	80
280	First User Selected Volume Units for Storage	S307	5
281	Second User Selected Volume Units for Storage	S307	5
282	Third User Selected Volume Units for Storage	S307	5
283	Position Identification	S730	20

Entry	Description	Code Ref	Columns
284	Density Units	S443	5
285	Temperature Units	S441	1
286	Volume Units	S341	3
287	Mass Units	S445	3
288	Additive Injector Units	S857	3
289	Form Feed		0

Appendix III

Ready/Run Mode Alarm Clearing

Entry	Alarm	Selection 0 = clearable, 1 = not clearable
1	C1: Unconfigured Flow - Product 1	
2	C2: Unconfigured Flow - Product 2	
3	C3: Unconfigured Flow - Product 3	
4	C4: Unconfigured Flow - Product 4	
5	CM: Communications	
6	TK: Ticket Alarm	
7	OA: System Overrun Alarm	
8	SP: Shared Printer Alarm	
9	SF: Storage Full Alarm	
10	F1: Injector 1 Feedback	
11	F2: Injector 2 Feedback	
12	F3: Injector 3 Feedback	
13	F4: Injector 4 Feedback	
14	F5: Injector 5 Feedback	
15	F6: Injector 6 Feedback	
16	F7: Injector 7 Feedback	
17	F8: Injector 8 Feedback	
18	H2: Printer Hardware Failure	
19	O2: Paper Out	
20	A2: Access Cover Open	
21	D2: Printer Deselected	
22	B2: Printer Buffer Overflow	
23	P2: Printer Communications	
24	E2: General Printer Error	
25	I2: Printer Not Responding	
26	H4: Printer Hardware Failure	
27	O4: Paper Out	
28	A4: Access Cover Open	
29	D4: Printer Deselected	

Entry	Alarm	Selection 0 = clearable, 1 = not clearable
30	B4: Printer Buffer Overflow	
31	P4: Printer Communications	
32	E4: General Printer Error	
33	I4: Printer Not Responding	
34	CL: Clean Line	
35	ZF: System Zero Flow	
36	PA: Power Failure	
37	HT: High Temperature	
38	LT: Low Temperature	
39	TP: Temperature Probe	
40	BP: Back Pressure	
41	LF: Low Flow	
42	HF: Excess High Flow	
43	BH: Blend High	
44	BL: Blend Low	
45	OA: Product Overrun	
46	PT: Pulse Transmission Alarm	
47	VF: Valve Fault	
48	PS: Pulse Security	
49	ZF: Product Zero Flow	
50	UF: Unauthorized Flow	
51	AC: Additive Communications*	
52	IA: Inj Alarm Pending*	
53	R1: Additive 1 Frequency*	
54	R2: Additive 2 Frequency*	
55	R3: Additive 3 Frequency*	
56	R4: Additive 4 Frequency*	
57	R5: Additive 5 Frequency*	
58	R6: Additive 6 Frequency*	
59	R7: Additive 7 Frequency*	
60	R8: Additive 8 Frequency*	
61	L1: Additive 1 Pulse*	

Entry	Alarm	Selection 0 = clearable, 1 = not clearable
62	L2: Additive 2 Pulse*	
63	L3: Additive 3 Pulse*	
64	L4: Additive 4 Pulse*	
65	L5: Additive 5 Pulse*	
66	L6: Additive 6 Pulse*	
67	L7: Additive 7 Pulse*	
68	L8: Additive 8 Pulse*	
69	N1: No Pulses Detected Additive 1*	
70	N2: No Pulses Detected Additive 2*	
71	N3: No Pulses Detected Additive 3*	
72	N4: No Pulses Detected Additive 4*	
73	N5: No Pulses Detected Additive 5*	
74	N6: No Pulses Detected Additive 6*	
75	N7: No Pulses Detected Additive 7*	
76	N8: No Pulses Detected Additive 8*	
77	M1: Too Many Pulses Additive 1*	
78	M2: Too Many Pulses Additive 2*	
79	M3: Too Many Pulses Additive 3*	
80	M4: Too Many Pulses Additive 4*	
81	M5: Too Many Pulses Additive 5*	
82	M6: Too Many Pulses Additive 6*	
83	M7: Too Many Pulses Additive 7*	
84	M8: Too Many Pulses Additive 8*	
85	K1: Low Additive 1*	
86	K2: Low Additive 2*	
87	K3: Low Additive 3*	
88	K4: Low Additive 4*	
89	K5: Low Additive 5*	
90	K6: Low Additive 6*	
91	K7: Low Additive 7*	
92	K8: Low Additive 8*	

Entry	Alarm	Selection 0 = clearable, 1 = not clearable
93	U1: Unauthorize Command Failed, Additive 1*	
94	U2: Unauthorize Command Failed, Additive 2*	
95	U3: Unauthorize Command Failed, Additive 3*	
96	U4: Unauthorize Command Failed, Additive 4*	
97	U5: Unauthorize Command Failed, Additive 5*	
98	U6: Unauthorize Command Failed, Additive 6*	
99	U7: Unauthorize Command Failed, Additive 7*	
100	U8: Unauthorize Command Failed, Additive 8*	
101	BR: Bad Response, Additive Communications **	

Note: * These alarms apply to RBM-01 and above firmware. ** This alarm applies to RBM-06 and above firmware. For more detail see the Operator Reference Manual.

Related Publications

The following literature can be obtained from the FMC Technologies Measurement Solutions Literature Fulfillment at johno@gohrs.com or at www.fmctechnologies.com/measurementsolutions. When requesting literature from Literature Fulfillment, please reference the appropriate bulletin number and title when ordering.

AccuLoad II - RBM

Specifications	Bulletin SS06023
Installation	Bulletin MN06089
Operator Guide	Bulletin MN06090
Operator Reference	Bulletin MN06091L
Programming Workbook	Bulletin AB06041
Communications	Bulletin MN06093L

Revisions included in AB06041 Issue/Rev. 0.2 (1/96):

Page 36: Added Alarm BR: Bad Response

Page 56: Added codes 913 - Calibration Event Counter, 914 - Configuration Event Counter, 915 - Configuration Directory Event Counter

Page 100: Added BR: Bad Response Alarm to the Ready/Run Mode Alarm Clearing Table at entry 53

The specifications contained herein are subject to change without notice and any user of said specifications should verify from the manufacturer that the specifications are currently in effect. Otherwise, the manufacturer assumes no responsibility for the use of specifications which may have been changed and are no longer in effect.

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