

Default Table Multi-parameter Transmitter M800



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Default Table Transmitter M800

1 General

parameter	sub parameter	value	unit
language		English	
passwords	ADMIN	Name: ADMIN	0000000
	User1~User9	Name: ---	0000000
	Access configure	No	
Tag		METTLER	
Backlight	time	5	minutes
	AutoDim/AutoOff	Auto Off	
	max	100%	
	Dim	50%	
USB Hold		Off	
Date / Time	Date	2009/01/01	
	Time	00:00:00	
	Winter to summer	Mar-25	
	Summer to Winter	Oct-25	
	Shift time	0	hour
Measurement	Chan sensor	pH	For all channels
	Chan descriptor	"Chan_X" (x is 1~6)	For all channels
	Display mode	1-Channel	
	Filter	Special	
Analog Out	1	Ch 1 – M1	
	2	Ch 2 – M1	
	3	Ch 3 – M1	
	4	Ch 4 – M1	
	5	Ch 5 – M1	
	6	Ch 6 – M1	
	7	None	
	8	None	
all analog out	mode	4–20 mA	
	type	normal	
	alarm	off	
	hold mode	last	
	hold fixed value	4.0 mA	
pH	value 0/4 mA	2	
	value 20 mA	12	
temperature	value 0/4 mA	0	
	value 20 mA	100	
Other unit	value 0/4 mA		
	value 20 mA		
Set point 1	signal	Ch1-M1	
	type	off	
	value		
	relay	3	
	Out of range	No	
	hysteresis	0 for pH, mV, °C, °F, 5% for all the others	This is for each Set Point

parameter	sub parameter	value	unit
Set point 2	signal	Ch2-M1	
	type	off	
	value		
	relay	4	
	Out of range	No	
	signal	Ch3-M1	
	type	off	
Set point 3	value		
	signal	Ch4-M1	
Set point 4	type	off	
	value		
	signal	Ch5-M1	
Set point 5	type	off	
	value		
	signal	Ch6-M1	
Set point 6	type	off	
	value		
	signal	None	
Set point 7	type	off	
	value		
	signal	None	
Set point 8	type	off	
	value		
	signal	None	
Relay 1	delay	1	sec
	state	Inverted	
	hold mode	Last Value	
Relay 2	delay	1	sec
	state	Normal	
	hold mode	Last	
Relay 3-6	delay	10	sec
	state	normal	
	hold mode	Last	
Clean	relay	None	
	cycle time	0	
	wash time	0	
General Alarm	Relay	1	
ISM Alarm	Relay	2	
	Software failure	Off	
	Power failure	On	
	Sensor Disconnected	Off	
	Rg Diagnostics	Off	
	Rr Diagnostics	Off	
	DLI =0	Off	
	ACT=0	Off	
	TTM=0	Off	
	CIP counter Expired	Off	
SIP counter Expired	Off		

parameter	sub parameter	value	unit
	Autoclave counter Expired		
cycle counter	Off		
	OPT Shaft Error	Off	
	OPT Signal Error	Off	
	OPT Hardware Error	Off	
	Dry Cond Sensor	Off	
	Cond Sensor Shorted	Off	
	Cond Cell Constant Deviation	Off	
	Electrolyte Level Error	Off	
	Change Spot	Off	
	SAN Counter Expired	Off	
PID	PID on meas	None	
	PID assign meas	M2	
	PID mode	Relay PL	
	PID PL	1	sec
	PID PF	1	p/m
	PID relay x,y	None, None	
	PID Aout x,y	None, None	
	PID Aout x,y range	4–20 mA	
	PID Aout side	1-sided	
	PID A/M	Auto	
	PID hold mode	Off	Relay
		Off (Y=0)	Analog out
Digital Input	Channel	None	For all digital inputs
	Mode	Hold	
	Status	High	
Resolution	Temperature	0.1	°C
	Conductivity	0.01	S/cm(Auto)
	Resistivity	0.01	Ω-cm(Auto)
	pH	0.01	pH
	ORP	1.0	mV
	O2 ppb	1.	ppb
	O2 ppm	0.1	ppm
CIP Max		100	
CIP Temp		55(30–100)	oC
SIP Max		100	
SIP Temp		115(90–130)	oC
AutoClave Max		0	
ACT Initial		0	
TTM Initial		0	
Reset xxxxxx		No	

2 pH

parameter	sub parameter	value	unit
Channel x	measurement 1	pH	pH
	measurement 2	Temperature	°C
	measurement 3	mV	Volts(Auto)
	measurement 4	DLI	
	measurement 5	TTM	
	measurement 6	ACT	
	cal constants	slope=100%, pH0=7.00	
pH Buffer		Mettler-9	
Stability		Medium	
pH IP		7	pH
pH STC		0	0 means no STC function
pH STC temp		25	°C

3 O2 hi

parameter	sub parameter	value	unit
Channel x	measurement 1	% air	% air
	measurement 2	Temperature	°C
	measurement 3	DLI	
	measurement 4	TTM	
	measurement 5	ACT	
	measurement 6	Amp O2	nA
	cal constants	M=1.0, A=0.00	
O2 Cal Press		1013	mbar
O2 ProcPress	Edit	1013	mbar
Proc Press Sel		ProcPress	
O2 stability		Auto	
O2 salinity		0	g/Kg
O2 cal humidity		50	%
Upolmeas		-674	mV
Upolcal		-674	mV

4 O2 Io/O2 trace

parameter	sub parameter	value	unit
Channel x	measurement 1	O2	O2 (ppb)
	measurement 2	Temperature	°C
	measurement 3	DLI	
	measurement 4	TTM	
	measurement 5	ACT	
	measurement 6	Amp O2	nA
	cal constants	M=1.0, A=0.00	
Cal Press		1013	mbar
ProcPress	Edit	1013	mbar
Proc Press Sel		Proc Press	
Stability		Auto	
Salinity		0	g/Kg
cal humidity		50	%
Upolmeas		-674	mV
Upolcal		-674	mV

5 Cond4e and UniCond2e

parameter	sub parameter	value	unit
Channel x	measurement 1	Conductivity	S/cm(Auto)
	measurement 2	Temperature	°C
	measurement 3	Resistivity	Ω-cm(Auto)
	measurement 4	Temperature	°F
	measurement 5	None	
	measurement 6	None	
	cal constants	M=1.0, A=0.00	
Compen	Standard		
Coef		2.00	%/°C
Reset counter for temp over range		no	Only for UniCond2e
Reset counter for high cond		no	Only for UniCond2e

6 O2 optical

parameter	sub parameter	value	Unit
Channel x	measurement 1	O2(lo/spechi)/%air(hi)	ppb(lo)/%air(hi), spechi(ppm)
	measurement 2	Temperature	°C
	measurement 3	DLI	
	measurement 4	ACT	
	measurement 5	None	
	measurement 6	None	
	cal constants	M=1.0, A=0.00	
Cal Press		1013	mbar
ProcPress	Edit	1013	mbar
Proc Press Sel		Proc Press	
stability		Auto	
salinity		0	g/Kg
cal humidity		50	%
Sample rate		1	/sec
LED Mode		Auto	
Toff		40	°C

7 O3

parameter	sub parameter	value	unit
O3 unit	M1	O3	ppb
	M2	temperature	°C
	M3	DLI	days
	M4	TTM	days
	M5	ACT	days
	M6	Amp O3	nA
	cal constants	Slope	
Offset (from TEDS)	nA/ppb		
nA			
Resolution	Temperature	0.1	°C
	O3	1	ppb
		1	ug/L
	current	0.001	nA
	slope	0.00001	nA/ppb
	offset	0.001	nA
	DLI	1	days
	TTM, ACT	0.1	days

8 Flow

parameter	sub parameter	value	unit
Channel x	measurement 1	GPM	GPM
	measurement 2	Gals	Gals(auto)
	measurement 3	m3/hr	m3/hr
	measurement 4	Hz	Hz(auto)
	measurement 5		
	measurement 6		
	cal constants	M=60, A=0.00	
Pipe Id		1	inch

9 PID

	Gain	Tr	Td	Set Point	Deadband	Corner(s)	Proportional Limit(s)
pH	1	0	0	7	0	0, 14	0, 14
Conductivity	1	0	0	0	0	0, 0	0, 0
Resistivity	1	0	0	0	0	0, 0	0, 0
O2 (low)	1	0	0	0	0	0, 0	0, 0
O2(high)	1	0	0	0	0	0, 0	0, 0
Ozone	1	0	0	0	0	0, 0	0, 0
Flow	1	0	0	0	0	0, 0	0, 0