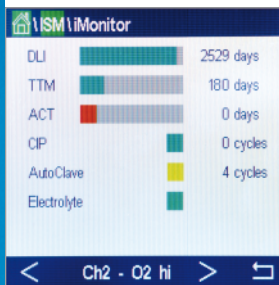


Powerful and Flexible Transmitter Touch the Future



Intelligent diagnostics utility

- Unique iMonitor function
- Intelligent diagnostics with traffic light indication of sensor status
- Predictive maintenance using ISM technology



Intuitive touchscreen control

- State-of-the-art user interface
- Large color display
- Simple and self-explaining operation

Channel	Value	Unit
Ch1_M1	0.0	% air
Ch1_M2	22.5	°C
Ch1_M3	217.96	DU
Ch1_M4	2046	TTM
Ch1_M5	240	ACT
Ch1_M6	0.0	nA O2
Ch2_M1	6.16	pH
Ch2_M2	22.4	°C

Information at a glance

- Simultaneous display of one to four measurement points
- Configurable display
- Setup of „Favorites“ menu to directly access frequently used menus



Flexible configuration

- Multi-parameter transmitter
- Mixed-mode (M800 1-channel) input to use analog or ISM sensors
- Multi-channel device reduces the cost per measurement



ISM® US LISTED

M800 – Complete Control at your Fingertips

The M800 multi-parameter transmitter provides simultaneous monitoring of one, two or four in-line sensors for measurement of pH/ORP, optical DO, amperometric oxygen (DO as well as O₂ gas), conductivity and CO₂, turbidity in process applications. The mixed-mode capability of the M800 1-channel allows the connection of analog or digital sensors with Intelligent Sensor Management (ISM) technology. Therefore an easy transition from conventional analog to advanced, digital ISM technology is possible at any time.

ISM features Plug and Measure for fast sensor installation and start up, predictive maintenance information and dynamic sensor lifetime status. Thanks to iMonitor, the condition of each sensor is determined at a glance allowing preventive action before processes are affected. The color touchscreen provides intuitive operation, with user selectable control and alarm management for challenging applications. The M800 line is available also in a hygienic version with stainless steel housing.

Technical data of the M800 Process 1-channel, 2-channel and 4-channel transmitter series

Designation	M800 1-channel	M800 2-channel	M800 4-channel
Measurement parameters			
	pH/ORP	•	•
	Dissolved and gaseous oxygen	•	•
	Dissolved CO ₂	•	•
	Conductivity	•	•
	Turbidity	•	–
Approval	Stainless Steel Polycarbonate	UL –	UL FM CI1 Div2, UL
Current outputs (galvanically isolated)	4 × 0/4 to 20 mA	8 × 0/4 to 20 mA	8 × 0/4 to 20 mA
Digital inputs	4	5	6
ISM features	Plug and Measure, advanced diagnostics tools (DLI, ACT, TTM), iMonitor		
Power	AC (100–240 V) or DC (20–30 V)		
Enclosure	Stainless Steel Polycarbonate	½ DIN, IP 66 ½ DIN, IP 66	
Relays	8		
Analog input (galvanically isolated)	1 × 4 to 20 mA (for pressure compensation)		
Multi-level password protection	Yes		
User interface	Color touchscreen, 5.7" TFT, 320 × 240 pixels, 256 colors		
Service interface	USB port		

Ordering information

Designation	Order No.
M800 Process 1-channel	30 026 633
M800 Process 2-channel	52 121 813
M800 Process 4-channel	52 121 853
M800 Process 1-channel SST	30 246 551
M800 Process 2-channel SST	30 246 552
M800 Process 4-channel SST	30 246 553

► www.mt.com/m800

www.mt.com/pro

For more information

Sales and service:



Management System
certified according to
ISO 9001 / ISO 14001

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