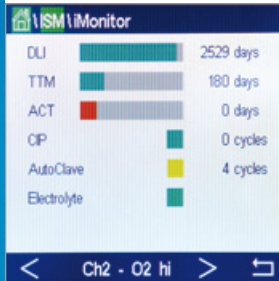


## Powerful and Flexible Transmitter

### 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



#### 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®

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PROFINET

### 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 O<sub>2</sub> gas), conductivity, CO<sub>2</sub> and turbidity in process applications.

The Profinet™ interface provides easy integration of sensor diagnostics tools into process control systems, reduces commissioning time and engineering support, and saves integration efforts and costs. Digital communication within the loop, plus real-time measurements and sensor diagnostics, provides greater process reliability and lowers maintenance costs.

Intelligent Sensor Management (ISM®) features in the M800 include Plug and Measure for fast sensor installation and start up, predictive maintenance information and dynamic sensor lifetime status. 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	M800 Profinet 1-/2-channel
<b>Measurement parameters</b>				
pH/ORP	•	•	•	•
Dissolved and gaseous oxygen	•	•	•	•
Dissolved CO <sub>2</sub>	•	•	•	•
Conductivity	•	•	•	•
Turbidity	•	–	–	–
Approval	Stainless Steel Polycarbonate	UL –	UL FM C11 Div2, UL	UL – CE/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	5
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		
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
M800 Profinet Process 1-channel	30 530 021
M800 Profinet Process 2-channel	30 530 022

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Management System  
certified according to  
ISO 9001 / ISO 14001

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