

Head Mount Transmitter

Small Footprint – Big Possibilities



Low installation costs

Rugged construction and compact design allow direct installation next to the process. M100 offers a versatile solution for both hazardous and non-hazardous area installations.



Predictive maintenance

Easiest handling and on-site or remote access over HART to advanced ISM predictive diagnostics tools leads to reduced maintenance costs and increased process uptime.



Simple Plug and Measure operation

With iSense, the key tool of ISM, sensors can be precalibrated via a PC or portable device then connected to the M100. Therefore, a user interface in the field is no longer necessary.



Versatility

- Multi-parameter transmitter
- Compatible with major asset management tools
- Small footprint for installation flexibility



The well-proven head mount transmitter concept for analytical parameters.

The M100 is the first transmitter for analytical measurements based on a compact, head mount design. With its approvals for hazardous area use the M100 head mount transmitter provides operating assurance even in challenging environments.

The M100 is a single-channel, multi-parameter transmitter compatible with ISM 1-wire sensors for measuring pH/ORP, pH/pNa, oxygen and conductivity.

Carrying the HART protocol the M100 allows for easy transmitter configuration and integration of sensor diagnostics tools such as the DLI (Dynamic Lifetime Indicator), ACT (Adaptive Calibration Timer), and TTM (Time To Maintenance) into asset management platforms.

ISM's Plug and Measure feature minimizes the risk of installation troubles and simplifies sensor handling.

Key technical data for the M100 head mount transmitter

ISM features	Plug and Measure, DLI, ACT, TTM
Housing material	Upper part: Die cast aluminum; Lower part: Stainless steel
Enclosure	IP 66, NEMA 4X
Approvals	NEPSI, ATEX/IECEx Zone1, cFMus Cl1 Div1*
Supply voltage	14–30 VDC
Analog output	1 × 4 to 20 mA (loop powered), galvanically isolated
Communication	HART
Analog input	1 × 4 to 20 mA (for pressure compensation)
Digital input	1, switching transmitter in HOLD state

* pending

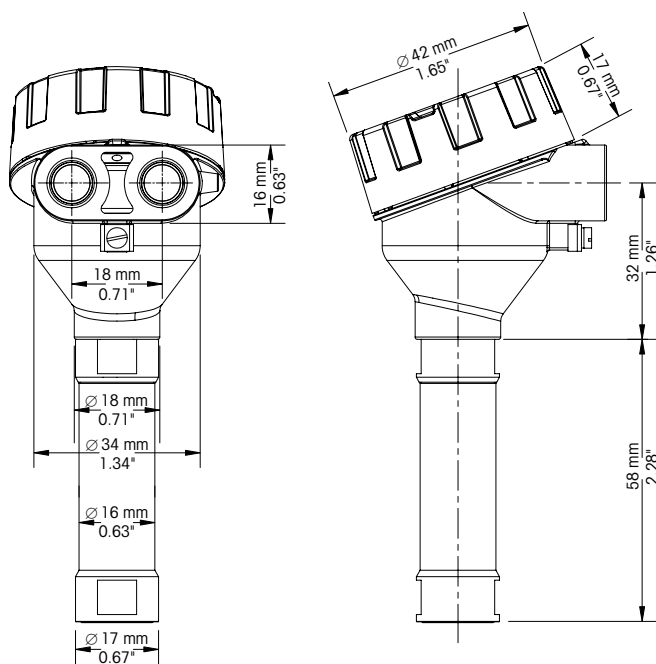
Sensor compatibility

ISM 1-wire pH, amperometric oxygen and conductivity sensors

Ordering information

Designation	Order No.
M100 head mount transmitter	30 026 578

► www.mt.com/M100



Front Dimensions of the M100

Side Dimensions of the M100

www.mt.com/pro

For more information

Sales and service:



Management System
certified according to
ISO 9001 / ISO 14001

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