DIN Rail Transmitter

High performance, minimal space requirement

Low installation costs
M100 DR is an easy to commission 2-wire transmitter for installations where space is at a premium.

Predictive maintenance
Access to ISM predictive diagnostic tools available over HART leads to reduced maintenance and increased process uptime.

Simple Plug and Measure operation
With iSense™ software, sensors can be calibrated via a PC or mobile device, then connected to the M100 DR. Therefore, a user interface in the field is no longer necessary.

Versatile
Multi-parameter transmitter compatible with major asset management tools, including AMS, PDM or PACTware.

ISM®

HART
COMMUNICATION PROTOCOL

A compact and easy to commission
Transmitter for DIN rail mounting

The M100 DR 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 DR is easy to configure and allows straightforward integration of Intelligent Sensor Management (ISM®) sensor diagnostics such as the Dynamic Lifetime Indicator (DLI), Adaptive Calibration Timer (ACT), and Time To Maintenance (TTM) into asset management platforms.

LEDs clearly indicate transmitter and sensor status, alarms, and warnings.

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

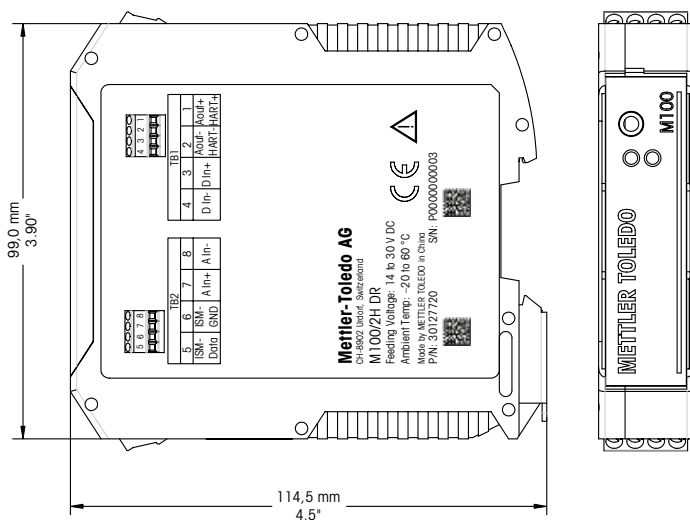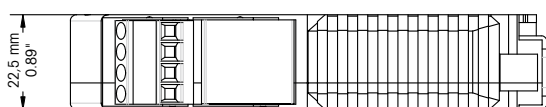**METTLER TOLEDO**

Key technical data for the M100 DIN Rail transmitter

ISM features	Plug and Measure, DLI, ACT, TTM
Enclosure	IP 20
Suitable DIN rail systems	35 mm
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
Sensor compatibility	ISM 1-wire pH, amperometric oxygen and conductivity sensors

Ordering information

Designation	Order No.
M100 DIN Rail transmitter	30 127 720

▶ **www.mt.com/M100**

Side Dimensions of the M100

www.mt.com/pro

For more information

Management System
certified according to
ISO 9001 / ISO 14001