

Easy to Use, Robust Transmitter For Harsh & Hazardous Areas

M400 2-wire T2 & T3



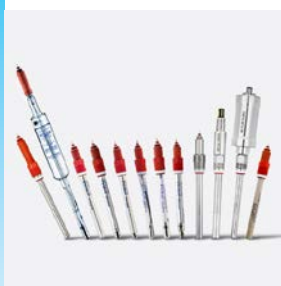
Easy Operation and Less Training Needed

The intuitive multi-language interface simplifies operation and reduces training. ISM™ technology in the M400 enables error-free sensor installation.



Robust Design for Tough Environments

The aluminum housing, anticorrosive coating and global approvals ensure the transmitter's suitability for harsh environments and hazardous area use.



Flexible for Multiple Applications

With its multi-parameter capability and compatibility with both digital ISM and analog sensors, the M400 is suitable for a wide range of applications.



Universal Connectivity

HART technology gives access to device information, measured values, diagnostics data and allows remote calibration through all major asset management tools, DTM, and handheld field communicators.

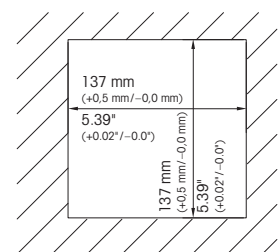
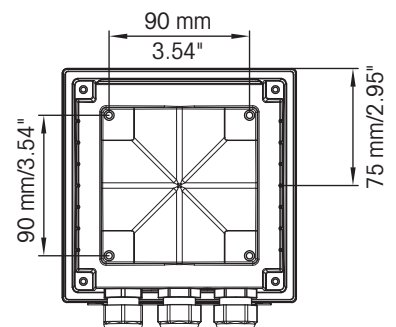
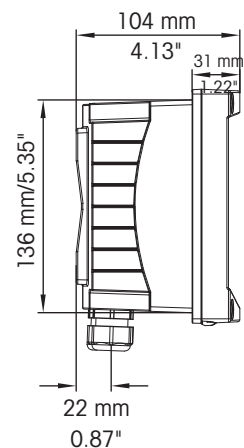
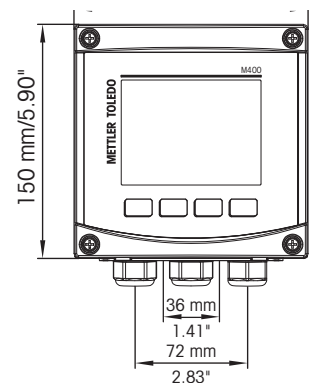


M400 2-wire Transmitter For Reliable Process Control

The M400 (Type 2 and Type 3) 2-wire multi-parameter transmitter is designed for ease of use in hazardous areas and harsh environments. Its large display can be clearly read in dark and bright ambient light, and the intuitive user interface is operated via four tactile keys. Rugged design and global hazardous area approvals allow the transmitter's use across the chemical and pharmaceutical industries. Local or remote access via HART™ technology provides easy access to sensor data and advanced sensor diagnostic tools.

Technical Data of the M400 2-Wire Type 2 & Type 3

Specifications	
Measurement parameters	pH/ORP, pH/pNa, conductivity (2e and 4e), amp. O ₂ , opt. O ₂ , CO ₂ (pharma), and amp. O ₂ gas (only for type 3)
Enclosure	IP 66, NEMA 4X
User interface	4.4 inch TFT LCD
Keypad	4 tactile feedback keys
Regulations/Approvals	CE, ATEX, IECEx, FM, CSA, NEPSI, JPEX, KCs
Area classification	Zone 1, Zone 21, Cl I, Div. 1, Cl I, Div. 2
Ambient temperature range	-20 to 60 °C (-4 to 140 °F)
Supply voltage	14 to 30 VDC
Current outputs	2 × 4 to 20 mA, galvanically isolated up to 60 V from input and from earth/ground, protected against wrong polarity, feeding voltage 14 to 30 V DC
Digital inputs	2, galvanically isolated up to 60 V from the output, analog input and earth/ground with switching limits 0.00 VDC to 1.00 VDC inactive 2.30 VDC to 30.00 VDC active
Digital outputs	2 × open collectors (OC), 30 VDC, 100 mA, 0.8 W
Analog input	4 to 20 mA (for pressure compensation)
Connection terminal	Spring cage terminals, appropriate for wire cross-section, 0.2 to 1.5 mm ² (AWG 16–24)
Dimensions (h × w × d)	150 × 150 × 105 mm / 5.9 × 5.9 × 4.1 inch
Max depth – panel mounted	74 mm
Languages	Chinese, English, French, German, Italian, Japanese, Korean, Portuguese, Spanish



Ordering Information

Transmitter	Order Nr.
M400 2XH Type 2	30 655 901
M400 2H Type 2	30 655 902
M400 2XH Type 2 ISM	30 655 903
M400 2H Type 2 ISM	30 655 904
M400 2XH Type 3	30 655 905
M400 2XH Type 3 ISM	30 655 908
Accessories	Order Nr.
Pipe mounting kit for ½ DIN for pipe Ø 40 to 60 mm (1.57 to 2.36")	30 300 480
Panel mounting kit for ½ DIN models	30 300 481
Protective hood for ½ DIN models	30 073 328
Wall mounting kit for ½ DIN models	30 300 482

▶ www.mt.com/m400

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Process Analytics
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Subject to technical changes.

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