



DewPro[®] MMR30

Moisture transmitter

The DewPro MMR30 is a compact, mid-range moisture transmitter designed specifically for refrigeration dryer manufacturers and users. The DewPro MMR30 measures dew point at line pressure or atmospheric pressure and installs easily on a dryer outlet header.

Technical Specifications

The DewPro MMR30 uses a proven polymer capacitive sensor to provide a measurement range of 5°F to 185°F (–15°C to 85°C) with ±1.8°F (±1.0°C) accuracy. The optional integrated display with user interface provides full programming and diagnostic capability.

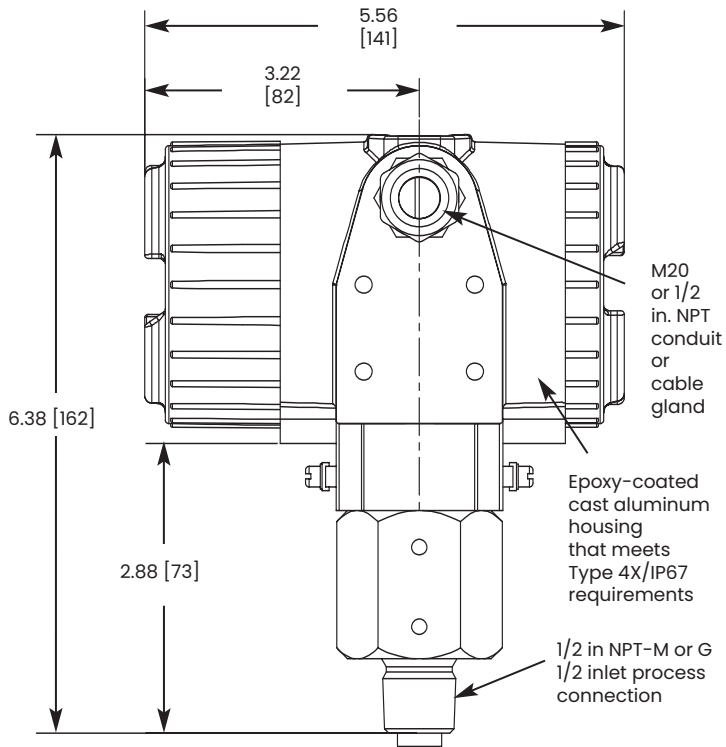
Features

- Loop-powered, 4 to 20 mA transmitter
- Proven polymer capacitive sensor for fast response and calibration stability
- Integral filtering and flow regulation
- Trouble-free indoor or outdoor mounting
- Microcontroller electronics in Type 4X/IP67 enclosure

Options

- Integral display with user interface
- ATEX Zone 2: II 3G Ex nA IIC T4 Gc (EU only; self declared)
- English or metric fittings
- External display available with loop-powered supply and alarm contacts
- Power supply
- Wall mount kit

Sensing element	Silicon-based polymer, capacitance principle, IC electronics
Dew point range	5°F to 185°F (–15°C to 85°C)
Dew point accuracy	±1.8°F (±1°C) above 32°F (0°C) dew point @ 25°C
Operating temperature range	• Process: 5°F to 185°F (–15°C to 85°C) • Electronics: –40°F to 185°F (–40°C to 85°C)
Maximum operating pressure	250 psia (17 bar) Inlet filter: 2 micron sintered stainless steel
Air bleed off at 100 psig (7 bar)	Approximately 1 SCFH (28 sl/h)
Output	Loop current 4 to 20 mA; 16 :A resolution
Flow block	316 stainless steel with 1/2 in NPT-M or G 1/2 thread; (DIN ISO 228) and gasket seal
Wrench width for flow block	1-5/8 in (42 mm)
Electronics	Microcontroller operated
Hardware selectable units	Dew point temperature in °F or °C
Supply power	24 VDC nominal, tolerance 12 to 30 VDC
Optional display	Four-digit numeric display with bar graph and matrix position indication. Four user interface keys for unit selections, output adjustments and ranging.
Protection	Type 4X/IP67
Weight	4.4 lb (2 kg)
European compliance	• Complies with EMC Directive 2014/30/EU. • Sound Engineering Practice under PED 2014/68/EU Article 4(3) (DN <25).



DewPro MMR30 with optional display