### GE

# Sensing

#### **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
- English or metric fittings
- External display available with loop-powered supply and alarm contacts
- Power supply
- Wall mount kit

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.

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  $\pm 1.8$ °F ( $\pm 1.0$ °C) accuracy. The optional integrated display with user interface provides full programming and diagnostic capability.

# DewPro® MMR30 Moisture Transmitter

DewPro MMR30 is a General Eastern product. General Eastern has joined other GE high-technology sensing businesses under a new name— GE Industrial, Sensing.





# DewPro MMR30 Specifications

#### **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 SCHF (28 sl/h)

#### Output

Loop current 4 to 20 mA; 16 µA 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

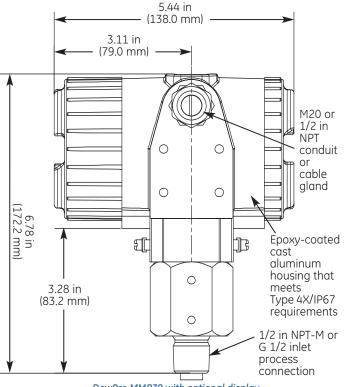
1-5/8 in (42 mm)

#### **Electronics**

Microcontroller operated

#### **Hardware Selectabel Units**

Dew point temperature in °F or °C



DewPro MMR30 with optional display

#### **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 89/336/EEC and PED 97/23/EC for DN<25



CE