

DewPro[®] MMY 30

The DewPro[®] MMY 30 is a loop-powered transmitter with 4-20 mA output. The MMY 30 is specifically designed to measure dew point or ppm at line pressure or atmospheric pressure for control of desiccant air dryers. These benefits apply to both dryer users and manufacturers.

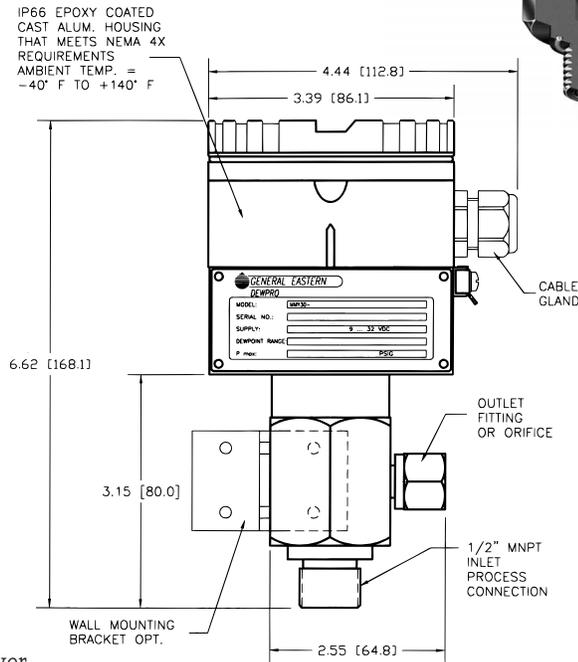


Features:

- Simple, 4 - 20 mA two-wire connection
- Fast response planar sensor
- Integral filtering and flow regulation
- Trouble-free indoor or outdoor mounting
- Field calibration with the optional MMY245
- Microprocessor in NEMA 4X (IP66) enclosure
- FM approved (Class 1) - Division 2 standard

Options:

- Display with user interface
- FM approval to Class 1, Division 1
- English or metric fittings
- External display available with loop-power supply and alarm contacts



Ordering Information: See page 10

Dimensions/Specifications

| | | | |
|--|---|---|---|
| Sensing Element: | Planar sensor, aluminum oxide capacitance principle | Storage Temperature: | -40°C to +60°C (-40°F to +140°F) |
| Measurement Range: | -90°C to +10°C (-130°F to +50°F) dew point temperature; 0 to 10, 0 to 100, 0 to 1000 ppm _v (fully adjustable with integral display) | Air Bleed Off at 100 psig (7 bar): | Approximately 1 SCFH (28 sl/h) |
| Recommended Recalibration Cycle: | 12 months, depending on the application | Maximum Operating Pressure: | 450 psig (30 bar) |
| Calibration Accuracy: | ± 2°C (± 3.6°F) dew point over the entire range | Helium Leak-rate: | < 10 ⁻⁶ mbar l/s |
| Repeatability: | ± 1°C (± 1.8°F) | Output: | 4 to 20 mA, 16µA resolution |
| Maximum Sensor Relative Humidity: | 50% at dew point temperature >0°C (32°F) | Flow Block: | 316 SS with 1/2" MNPT or G 1/2 thread (DIN ISO 228) and Viton o-ring seal |
| Temperature Coefficient: | ΔTd/ΔT < 0.2°C/°C (<0.2°F/°F) | Wrench Width for Flow Block: | 1-5/8" (42 mm) |
| Operating Temperature: | -40°C to +60°C (-40°F to +140°F) | Electronics: | Microprocessor-controlled |
| | | Power Supply: | 24 V DC nominal, 12 to 32 V DC range |
| | | Protection: | NEMA 4X (IP 67) |
| | | Weight: | 3.2 lbs. (1.5 kg) |