

DewPro[®] MMY 245

The MMY245 Moisture Analyzer is a convenient, portable instrument that can quickly spot check the performance of gas dryers for compressed air, breathing air, SF₆ gas used in power switches, and pure gas supplies. The planar capacitive sensor combines accurate dew point measurement with fast response time. The sensor is stored in a very dry environment within the analyzer between measurements, which speeds response time.

The MMY245 can be configured according to the desired moisture unit of measure, temperature unit of measure, or other operating parameters. An optional pressure sensor provides real-time correction for concentration units of measure or a pressure constant for use with stable pressure measurements. Voltage outputs 0-5 V DC are standard in non-hazardous areas.

The MMY245 can serve as field validator for DewPro MMY transmitters.

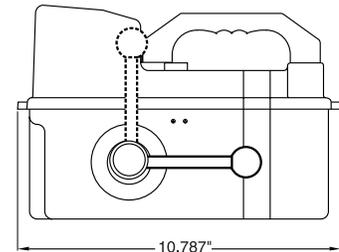
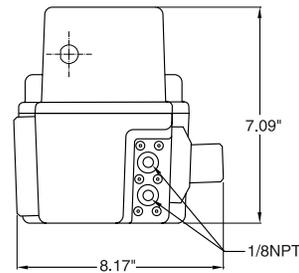


Features

- Convenient, portable analyzer measures dew point within gases, shoulder strap standard
- Planar sensor within desiccant chamber for fastest response
- Pressure dew point measurement range of -100°C to +20°C
- User-selectable moisture measurement units
- Fully portable — powered by four common, “D” batteries with auto shut-off feature
- Intrinsically safe — rugged NEMA-4X/IP66 enclosure (Approval Pending)
- Two non-IS voltage outputs

Options:

- Optional pressure sensor
- Carrying case with shoulder strap
- Quick connect sample hose and assorted fittings
- Communication cable



Ordering Information: See page 11

Dimensions/Specifications

Operating Voltage:	Battery Powered - 4x “D” cells	Accuracy:	±2°C (±3.6°F) dew point temperature
External Dimensions:		Readout Units of Measure:	Dew Point °C, Dew Point °F, ppm _v , Lbs/MMSCF, g/m ³ , g/kg, %RH
Enclosure:	11” (L) x 8.17” (W) x 7.09” (D) (28 cm x 17.7 cm x 18 cm)	Secondary Readout Units of Measure:	Temperature °C, Temperature °F, Pressure psig**, Pressure psia**, Pressure bars**, arbitrary scaled input voltage, plus all primary units of measure
Weight:	< 7 lbs., including 4 common “D” size batteries	Repeatability:	±1.0°C dew point temperature
Display:	Large, 4 digit LCD display with rate of change bar graph indicator. Low battery indicator. “Hot Start” power up feature displays most recent setup	Max. Pressure Rating:	150 psig (10 bar)
Enclosure:	NEMA-4X/IP66 impact resistant plastic enclosure; intrinsically safe: designed to meet FM Class 1, Division 1, Groups A-G, approval pending	Operating & Storage Temperature:	-20°C to +40°C (-4°F to +105°F)
Sensor:	Planar, temperature compensated	Resolution:	0.1°C dew point temperature
Measurement Range:	-100°C to +20°C (-148°F to +68°F) dew point temperature	Calibration:	Factory recalibration recommended every 6-12 months depending on use

** With optional pressure transducer