SYSTECH illinois

Wall Mounted Sample System (optional)

MM300 Moisture Sensor

Monitor (optional)

OEM Moisture Transducers

MM300

For integrated, cost effective moisture analysis for OEM's and multiple sampling points.

INDUSTRIAL PHYSICS

Protecting Product Integrity

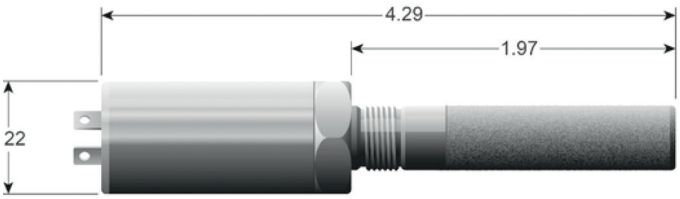
When simple, accurate moisture measurement is required, the MM300 is the ideal choice.

Designed with the OEM user in mind, the MM300 transducer and monitor can be easily integrated into a wide range of systems. This 2 wire loop powered dew point transmitter is designed for moisture measurement in gases. Suitable for applications in the petrochemical, power generation and process industries. The 4-20mA output measures dew point temperature in gases at line pressure or atmospheric pressure.

The MM300 sensor mounts directly in the gas stream for applications including glove boxes, environmental chambers and test chambers.

The optional monitors provide many additional functions including alarm set points and 4-20mA re-transmission and provides the power for the current loop.

MM300 Dimensions (inches)



Features & Benefits

- IP66 (NEMA 4) Protection
- Measurement range -148 to +68°F Dew Point
- Fast response
- Temperature compensated over operating temperature range
- 2 wire loop powered
- Optional easy to read monitor with bright LED displays eliminate reading errors
- Optional remote monitoring
- Optional Intrinsically Safe transducer
- Optional wall mounted Sample System
- Calibration traceable to NIST

Applications

- Glove Boxes
- Inert Enclosures
- Nitrogen Generators
- Gas Shrouding
- Room Monitoring
- HVAC

Technical Specification

Measurement Ranges	-148°F to +68°F (-100°C to +20°C) Dew Point
Accuracy	±3.6°F (±2°C) Dew Point
Response time	90% of reading (T95) less than 5 minutes (dry to wet)
Signal outputs	4-20mA (2 wire)

Operating Conditions

Operating Humidity	0-100% RH
Operating Temperature	-40°F to +140°F (-40°C to +60°C)
Operating Pressure	450 Barg / 6500psi / 45 mPa
Flow Rate	0.5 to 7NL/min
Power Requirements	12 to 28VDC
Load Resistance	Max 250 Ω @ 12VDC Max 500 Ω @ 24VDC

Conforms to European Directives:
Electromagnetic Compatibility Directive 89/336/EEC
Low Voltage Directive 73/23/EEC

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