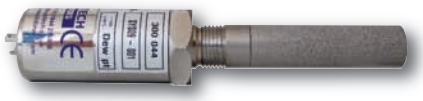
MM300 OEM Moisture Transducers

SYSTECH illinois

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

Wall Mounted Sample System
(optional)



MM300 Moisture Sensor

Monitor
(optional)

Applications

Glove Boxes	Inert Enclosures	Nitrogen Generators
Gas Shrouding	Room Monitoring	HVAC

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

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

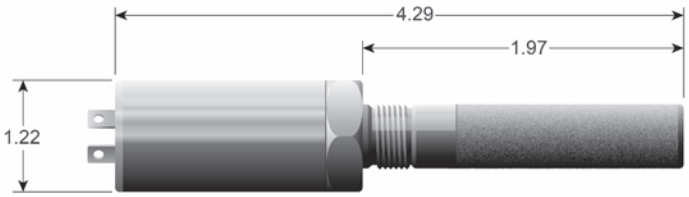
When simple, accurate moisture measurement is required, the MM300 is the ideal choice.

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)



Technical Specifications

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 / 6500 psi / 45 mPa
Flow Rate	0.5 to 7 NL/min
Power Requirements	12 to 28 VDC
Load Resistance	Max 250 Ω @ 12 VDC Max 500 Ω @ 24 VDC

Systech Illinois have over 30 years experience of providing analysis solutions for a wide range of industries. From our manufacturing plants in the U.S and UK we produce gas analyzers for industrial process industries, headspace analyzers for monitoring gas flushing of food products and our range of permeation analyzers.

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Systech Illinois reserve the right to change specifications without notice. 2017/10