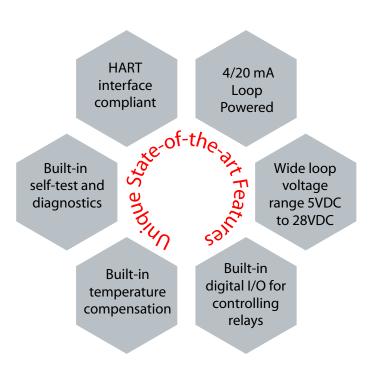
PLMa PhyMetrix Loop-powered Moisture Analyzer



Leading edge Nanosensor Technology





more FEATURES

- -110°C to +20°C dewpoint Sensor
- Fast, Accurate and Repeatable
- Small & Lightweight
- State-of-the-art electronics & software
- 316 Stainless Steel & PTFE wetted parts
- NIST calibrations
- Stainless Steel IP68 housing
- Protection from reversed polarity
- Robust Industrial M12 connector, IP68 protection
- 3/4"-16 process interface threads with Viton O-ring
- Interfaces to a variety of panel meters
- Molded IP67 cables available for harsh environment
- Units of measure °C & °F dewpoint, ppmV, ppmW, μB H₂O vapor pressure, grams of H₂O / m³, Lbs H₂O /10⁶ standard cubic feet in Natural Gas.

APPLICATIONS

- Petrochemical
- Industrial Gases
- Natural Gas
- Power Generation
- Furnace Gas / Heat Treating
- Air Dryers
- Pharmaceutical
- Aerospace
- Medical



PhyMetrix, Inc.

Moisture Measurement Innovation at work

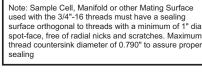
- Test
- Measure
- Calibrate
- Quick
- ◆ Reproducible
- ◆ NIST Traceable

Proudly Designed, Developed and Manufactured in the USA



PLMa PhyMetrix Loop-powered Moisture Analyzer





0.880"

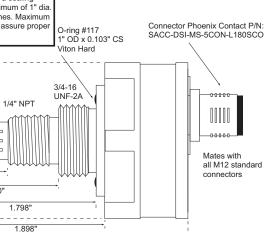
1.410

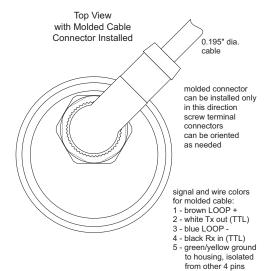
1.798

2.770'

Mechanical

PLMa Technical Specifications





	Moisture Sensor	Range: -110°C to +20°C dewpoint (-166°F to +68°F dewpoint) Accuracy: ±2°C temperature corrected Repeatability: 0.8°C Response time: 95% of step change in 3 min. Sample flow: >1 LPM				
2	Temperature Sensor	Range: -40°C to +70°C Accuracy: ±2°C				
	Ergonomics	Easy and quick installation, no tools required.				
	Electrical	5VDC to 28VDC two wire loop operation 4mA to 20mA Housing isolated from 4-20mA Loop Measurement resolution of moisture sensor: 1pF resulting in less than 0.01°C 5 pin M12 industrial connector IP68 when mating connector fully engaged Mating connectors with molded cables approved for Hazardous Location use available Two conductor cable min. 24AWG (for total cable length >1mile min. 20AWG) To meet CE requirements cable must be shielded. Built-in digital I/O for controlling relays				
	Mechanical	All 316 Stainless Steel and PTFE wetted parts for fast response time. Enclosure all stainless steel construction IP67 protection when installed Dimensions (overall) including connector- L: 3.25" (82.6mm) Dia: 1.62" (41.3mm) process threads 3/4"-16 and 14mm x 1.25mm, and 1/4"NPT can install with either threads Weight Total: 6 oz (0.17 Kg) Pressure: 5000 PSIA (345 Bar)				
	Temperature Range	PLMa Analyzer: -20°C to +60°C Electronics: -40°C to +85°C Moisture Sensor: -20°C to +60°C				
	Miscellaneous Features	NIST traceable calibrations Units of measure: "C & "F dewpoint, ppmV, ppmW, µB H ₂ O vapor pressure, grams of H ₂ O / m ³ and Lbs H ₂ O /10 ⁶ standard cubic feet in Natural Gas. (All units autoscaled) Digital & Analog: Two Wire 4/20mA loop with HART® Transmitter stores all HART setup				

ORDERING INFORMATION	Part Number
PhyMetrix Loop-powered Moisture Analyzer Model: PLMa	PLMa
Included Accessories: M12 mating Connector with	
molded 10 feet (3 meter) cable	
Intrinsically Safe ATEX option	suffix -I

Represented by:	ted by:					