PMi PhyMetrix Moisture Monitor Indicator

Feature Rich Panel Mount Display for moisture measurement!

Easy to Read Large Numerals

Remote Power and Readout for PLMa's

On~screen histogram and trend graph

Universal AC Power Input, and 12-24VDC

Isolated 4/20 mA output retransmits measurement

Optional MODBUS Interface

Unique State-of-the-art Features
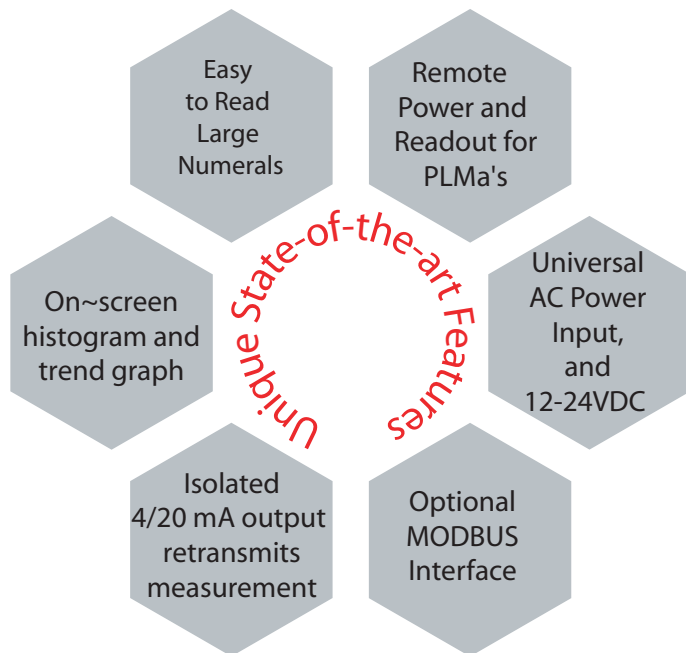
more FEATURES

- Provides Remote Display and Power for PLMa's
- State-of-the-art electronics & software
- Advanced User-friendly Interface
- Continuous Status and Diagnostics display
- On~screen histogram and trend graph
- Optional: Alarm Relays with programmable hysteresis
- Optional: Built-in Self Verification & Calibration
- Panel Mount DIN 43700 dimensional standard 5.39" w x 2.64" h panel cutout, 3" deep
- Separate terminal section pre-punched for cable grips
- Universal AC power supply and 12-24VDC
- Units of measure °C & °F dewpoint, ppmV, ppmW, μB H_2O vapor pressure, grams of H_2O / m^3, Lbs H_2O /10^6 standard cubic feet in Natural Gas.
- Virtual Analyzer PC s/w for training & evaluation

APPLICATIONS

- Natural Gas
- Petrochemical
- Industrial Gases
- 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

PMi
PhyMetrix Moisture Monitor Indicator

PhyMetrix®

Installation and Connection Options

Technical Specifications

Moisture Sensor	Consult transmitter (model: PLMa User's Manual) Range -110˚C to +20˚C Accuracy: ±2˚C temperature corrected Repeatability: 0.8˚C Response time: 95% of step change in 3 min. Sample flow: >1 LPM
Temperature Sensor	-40˚C to +70˚C ±2˚C
Electrical	Two automatic detection - self configuring power modes: 1) 90-260VAC 47-440Hz or 2) 12-24VDC 10VA with the following optional I/O: a) isolated RS-422/485 b) isolated 4/20mA sink or source c) 2 Alarm Relays - 3A, 250VAC / 30VDC contacts Insulation Resistance: >100MΩ at 500VDC
Mechanical	ABS Panel Mount DIN 43700 dimensional standard 5.39" w x 2.64" h panel cutout, 3" deep Weight Total: 1.5 Lbs (0.7 Kg) NEMA 12 type protection gasketing optionally available.
Temperature Range	PMi electronics: -40˚C to +85˚C LCD operating: -20˚C to +70˚C storage: -30˚C to +80˚C
Miscellaneous Features	NIST traceable calibrations Virtual Analyzer PC software for training and evaluation, allows the user to experience the exact interface on their own PC with voice explanations Units of measure: ˚C & ˚F dewpoint, ppmV, ppmW, µB H_2O vapor pressure, grams of H_2O / m^3 and Lbs H_2O /10^6 standard cubic feet in Natural Gas Modbus: ASCII and RTU

ORDERING INFORMATION		Part Number
Moisture Monitor Indicator	Model: **PMi**	**PMi**
Analog Output 4/20mA		suffix - A
Alarm Relays		suffix - R
Digital RS485 Modbus interface		suffix - D

Represented by:

Doc. Revision 0

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