ACCUPOINT 2™

Fixed-Mount Moisture Analyzer

Industrial Gas | Manufacturing | Natural Gas | Medical & Aviation | Aerospace & Military | Glove Box | Specialty Gases

Microprocessor-based Simplicity

Utilizing our classic electrolytic method and MEECO's two-wire transmitter design, the **Accupoint 2** features microprocessor-driven electronics. With the push of a button, choose any one of five different display options and a host of output scales. Follow the menu and adjust both your display and output range as measurement requirements change.

A built-in, dual-stage pressure regulator and an operating pressure range of 50-3,000 psig make the **Accupoint 2** ideally suited for water vapor determination in most industrial, natural gas, and process gas streams. It functions as a standard 24 VDC, two-wire loop-powered transmitter. An optional RS-232 output signal is available when the unit operates in three-wire mode. Housed in a NEMA 4X enclosure, the **Accupoint 2** mounts directly at the measurement point, whether indoors or out.

Accupoint 2 Key Features Include:

- **Units of Measure:** Microprocessor-based electronics allow a choice of display options including ppmV, ppmW, lbs/mmscf, or ºC and ºF dewpoint.
- **Three-Button User Interface:** Mode/Enter key, along with simple Up and Down keys, make using the menu quick and simple.
- **LCD Display**: Integral digital display allows direct indication at point-of-use, and quick field configuration of the control parameters.
- **Selectable Output**: Flexibility to change output scales in the field. No need to replace electronic components. Simply access the menu via the Mode/Enter key and select the output scale.
- **2-Wire or 3-Wire Modes:** Standard simplicity of a 2-wire, loop powered transmitter (with CSA approval for Class 1, Division 1 (with intrinsic safety barrier)) or the added feature of RS 232 output in a 3-wire mode.
- **On-Line Verification:** Use the simple Delta-Flow procedure to quickly verify sensor linearity and performance on-line.

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Specifications:	
Detection Limit (LDL):	0.5 ppmV (100 sccm) model 10 ppmV (10 sccm) model
Operating Range:	0-1,000 ppmV with 0.1 ppmV resolution (100 sccm flow units) 0-5,000 ppmV with 1 ppmV resolution (10 sccm flow units)
Accuracy:	5% of reading or 0.4 ppmV, whichever is greater In pure Oxygen: ±10% of reading or 3 ppmV, whichever is greater
Cell type (P_2O_5)	APR, AP, APO*, or APRH*
Gas Matrices Library:	Inert gases, Oxygen, Hydrogen, Natural Gas, and others, including gas mixtures. For other gases, please consult factory.. *For Oxygen (mixtures) APO cell is required, for Hydrogen (mixtures) APRH cell is required.
Inlet Pressure:	50 - 3000 psig (3.4 – 207 barg).
Ambient Conditions:	-20°C to +60°C (-4°F to +140°F)
Flow Rate:	Sample: 10 or 100 sccm model Bypass 1000 sccm (1 slpm) model
Display unit options:	ppmV, ppmW (requires user input of molecular weight) ºC or ºF dewpoint and lbs/mmscf. (Note: ºC or ºF are referenced to atmospheric pressure Pressure dewpoint available with user input of operating pressure)
Gas Connections:	1/8” compression
Signal Output:	4-20 mA loop signal (2-wire mode) user field programmable 4-20 mA non-isolated current sink (3-wire mode) (NOT FM Approved) Isolated RS-232 in 3-wire mode only (optional – NOT FM Approved)
Electrical:	24 VDC 2-wire loop powered (customer supplied) 24 VDC 3-wire common ground (customer supplied) Maximum cable length: 750’ (229 m) #24 AWG 2-conductor cable with shield
User Interface:	3-key touch pad. 1 line, 16-character alphanumeric LCD, 3/8” high digits
Weight:	9 lbs. (4.1 kg)
Dimensions (H x W x D):	8 ½ ” H x 7 ” W x 4 ½ ” D (21.6 cm x 17.8 cm x 11.4 cm).
Approvals:	CE Marked, CSA Class 1, Division 1, Intrinsically safe with IS barrier in 2-wire mode ONLY

Service with a Big Smile 😎: The **Accupoint 2** comes with a full two-year Certificate of Calibration. The cell can easily be replaced in the field, with no need to disconnect the unit from the sample stream! Also, spare cells now have a two-year storage life if kept in their sealed shipment bags.

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