

PPM1

Trace Moisture Analyzer

Model PPM1 Trace Moisture Analyzer

The PPM1 is a trace moisture analyzer designed specifically for monitoring moisture levels in dew point and PPM units. This trace moisture analyzer utilizes an electrochemical (P205) sensor in combination with a proprietary semi permeable diffusion membrane. The principle of operation applies the Faraday's Law of Electrolysis which measures the dissociation current making it a **fundamental measurement** of the moisture present. The PPM1 is ideally used in relatively clean, dry, inert gas applications.



► Applications Include

- Electric Power (Transformer Gas)
- Common Process Gases (Semiconductor Industry)
- Pharmaceutical Industry (Medical Gas)
- Gas Supplier Industry (Quality Control)

► Features

- Sensitivity below 1ppm
- Fast response
- Long sensor life
- Low cost
- Fundamental measurement of moisture content
- Displays / outputs—dew point (C/F) and PPM values

SPECIFICATIONS

Technology Used:	P205
Measured Parameters:	PPM / Dew Point
Accuracy:	± 5% of PPM reading, nominal
Range:	PPM: 1250—0.1 ppmv Dew Point: -20°C to -95°C
Pressure:	0 to 200 psig
Response Time:	90% of step change, in one minute, typically
Hysteresis:	None
Operating / Sampling Temperature:	0°C to 50°C
Electrical Outputs:	4-20mA (x2), scalable by end-user RS-232C (bi-directional), programmable by end-user Alarm, relays (x2), settable by end-user Digital display—LCD, 2 line backlit
Power Requirements:	18 to 30Vdc, unregulated, 1A max.
Standard Cable:	6 feet (1.8m)
Dimensions:	Enclosure (LWD) — 5.1" (13cm) * 3" (7.6cm) * 5.1" (13cm) Weight — 4 lbs. (1.81kg)
Options / Accessories:	Right angle mounting bracket (-MB) Additional sensor cable length (-SCBL), Specify desired length (500ft max.)

