

Measurement of Moisture Dew Point in gases and PPM Dissolved Water in hydrocarbon liquid

The GE Panametrics PM880 moisture analyser is a complete, portable hygrometer package for measurement of moisture and humidity in industrial gases and non-aqueous liquids. The PM880 is an intrinsically safe battery powered moisture analyser utilizing proven aluminum oxide moisture sensor technology to measure moisture dew point in gases and dissolved water in hydrocarbon liquids.

The PM880 is compatible with all Panametrics aluminium oxide moisture sensors, some incorporating a pressure sensor to enable dynamic pressure compensation for optimal parts per million measurement accuracy under variable pressure conditions. This also simplifies operator interaction with the analyser as a manual static pressure entry is not required. The separated electronics/probe design provides the ability to simply swap probes in minutes when sensor recalibration is required without the need for any electronics reprogramming.

FEATURES

- ppb to ambient moisture range
- 12+ hour battery life
- Compatible with all GE Panametrics moisture probes
- Lightweight hand-held sample system
- Simple programming via backlit LCD graphic user interface
- Data logging capabilities with the ability to store multiple site locations
- Soft carrying case with handle and shoulder strap to store hygrometer and all accessories



APPLICATIONS

- Natural gas
- Chemical and petrochemical gases and non-aqueous liquid applications
- Industrial gases
- Gas cylinder preparation and filling
- Furnace gases/heat treating
- Power generation
- SF6 circuit breakers
- General plant/facility maintenance



SPECIFICATIONS

- Dew/frost Point Range: -110°C to 60°C (overall calibration range capability)
- Dew Point Accuracy: $\pm 2^{\circ}\text{C}$ (60°C to -65°C), $\pm 3^{\circ}\text{C}$ (-65°C to -110°C)
- Operating Pressure: to 35MPa (5000psig, 345bar)
- Operating Temperature: electronics (-10°C to 50°C), probes (-30°C to 70°C)

INS-DS-0018. JUN 2018