

DPL4000

Portable low range dew point system for accurate and reliable verification of gases using current sensor technology.

LOW RANGE DEW POINT MEASUREMENT

- Determine very low dew points with high accuracy
- Excellent long term stability
- Rapid response time with fast stabilizing dew point reading
- Withstands condensation
- Includes hand held instrument, sensor, sensor housing, flow meter, quick connect fittings, logging software, and protective carrying case



TECHNICAL FEATURES

Optimal dew point range

- 112 to -22°F with +/- 3.6°F accuracy
- 80 to -30°C with +/- 2°C accuracy

Operating temperature

- 40 to +140°F
- 40 to +60°C

Pressure range: 0 to 725 psi

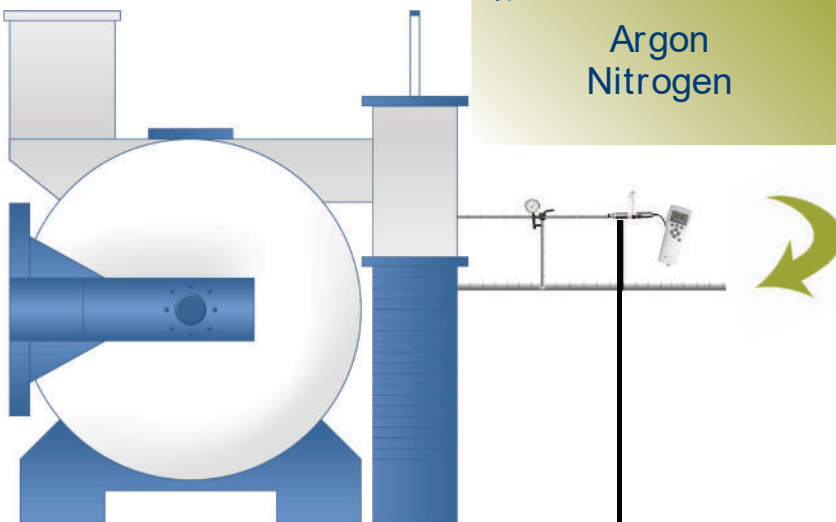
Alarm indication

Sensor threads: 1/2" NPT

Sensor housing: IP65 – NEMA4 (AISI316L)

Typical DP Gas Measurements

Argon
Nitrogen



OTHER FEATURES

Durable handheld

- Easy to read LCD display

Units*:

- Dew Point Temperature (°F or °C)
- PPB (Parts Per Billion Water – by volume)
- PPM (Parts Per Million Water – by volume)
- PPMW (Parts Per Million Water – by weight)

*Between 1 and 3 quantities can be displayed at one time.

- Process variable trending and data logging
- Battery powered

Rechargeable battery included

Battery run time: 12 hours

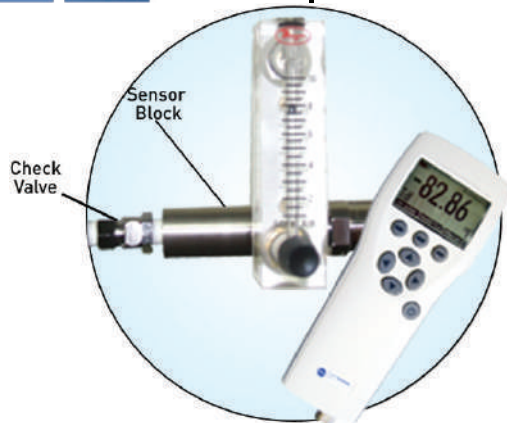
Sensor Quick Disconnect

- Includes two male quick disconnect fittings

USB Cable and Utility Software

- Quickly retrieve data from handheld device

INNOVATIVE SOLUTIONS WORLDWIDE



Super Systems
incorporated

Special Features



Quick Response

Easy to Use

Sensor Purge

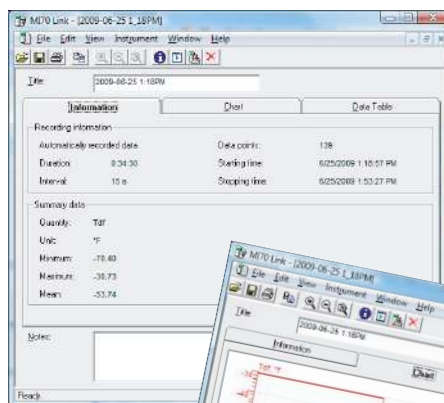
This function evaporates all excess moisture molecules from the sensor to significantly increase the response time when the sensor goes from an ambient condition to a dry condition. A Sensor Purge will be initiated automatically when the sensor detects a large wet-to-dry environmental change or upon startup and after every 24 hours of continuous use.



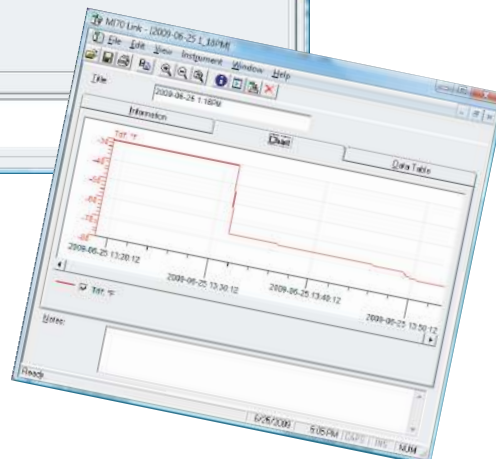
Specifications

This device is used to measure very low dew points with high accuracy and excellent long term stability. It can be used across a wide range of temperatures and pressures. It measures dew point in a variety of non-corrosive gases including Nitrogen and Argon.

Total Measurement Range: -148°F to +32°F (-100°C to +0°C)
Optimal Measurement Range: -112°F to -22°F (-80°C to -30°C)
Accuracy (Within Optimal Range): +/- 3.6°F (+/- 2°C)
Accuracy (Outside Optimal Range): +/- 5.4°F (+/- 3°C)
Operating Temperature Range: -40°F to +140°F (-40°C to +60°C)
Operating Pressure Range: 0-725 psi / 0-50 bar
Sensor Housing: IP65 - NEMA4 (AISI316L)
Power: Rechargeable Battery (included) or 4 "AA" Batteries
Battery Recharging Time: Approximately 4 hours
Run Time on Battery Power: Approximately 12 hours (depends on application)
Output Units: Dew Point Temperature [°F or °C], PPB (Parts Per Billion Water - by volume), PPM (Parts Per Million Water - by volume), PPMW (Parts Per Million Water - by weight) *NOTE: 1-3 quantities can be displayed at one time.*



Utility Software



Super Systems

incorporated

7205 Edington Drive
Cincinnati, OH 45249
513.772.0060 phone
513.772.9466 fax

www.supersystems.com 800.666.4330