SUPER SYSTEMS INC.

TECHNICAL DATA SHEET
DPL5000



DPL5000

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

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 noncorrosive gases including Nitrogen and Argon.

-148°F to 32°F	725	+/- 3.6°F
Measurement Range	Max PSI	Accuracy

Key Features

Measurement:

- Determine very low dew points with high accuracy
- Output Units: Dew Point Temperature (°F/°C), PPB (Parts per Billion Water), PPM (Parts per Million Water), PPMW (Parts per Million Water)
- 1-3 quantities can be displayed at once

Accessories:

- Battery powered
- Rechargeable battery included
- Battery run time: 12 hours
- Includes two male quick disconnect fittings
- Includes hand held instrument, sensor, sensor housing, flow meter, quick connect fittings, logging software, and protective carrying case

Benefits:

- Durable handheld with easy to read display
- Excellent long term stability
- Rapid response time with fast stabilizing dew point reading
- Withstands condensation
- Sensor purge removes excess moisture from the sensor to help maintain reliable readings.
- Process variable trending and data logging

Technical Specifications

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 Temp 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
Battery Recharging Time: Approximately 4 hours
Battery Run Time: Approximately 12 hours