

# DP2000 / DPC2530

Precise measurement of heat treating atmospheres

## Dew Point Analyzers



**DP2000 - Portable**  
Part Number 13070

The Model DP2000 is the most popular replacement for the analog dew point analyzers in the heat treat industry. Its digital display has taken the guess work out of measuring the dew point in endothermic and exothermic generators, atmosphere heat treating furnaces and tin-baths in the glass industry.

The DP2000 is light, portable and engineered for industrial environments. Its battery will typically last for eight hours and recharges quickly. The rugged enclosure is built specifically for the heat treating environment.

Meets CQI-9 requirement for back-up atmosphere verification.

### Specifications for the DP2000 & DPC2530

- Dew Point Range: 0 to 80 °F (-18 to 27 °C)
- Resolution: +/- 1 °F (+/- 0.1 °C)
- Accuracy and Repeatability: +/- 1 °F (+/- 0.5 °C)
- Power: 110 or 220 VAC, 60 Hz (DPC2530 pump is 110 VAC ONLY)
- Operating Temperature: 0° F to 120° F (-18 °C to 49 °C)
- AC or DC powered (DP2000 only)
- Quickly charges for cordless operation (DP2000 ONLY)
- Built in sample pump with flow meter indication

The DPC2530 is designed to pull a continuous dewpoint sample from an endothermic generator, an atmosphere annealing furnace or a rotary furnace.

The DPC2530 features a 4-20mA control output and can be configured for degrees °C or °F.

The DPC2530 supports Modbus® RTU communications enabling the user to datalog the process variable.



**DPC2530 - Continuous**  
Part Number 13118



**Simple Dew**  
Part Number 13134

Requires 24 VDC Power  
Retransmits DP process variable (0 - 1 VDC)  
Dew Point range: 0 - 80 °F.

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# Low-Range Dew Point Analyzer

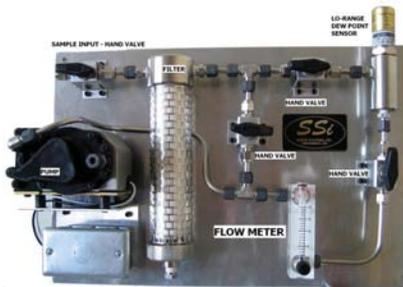
## DPC3500

The DPC3500 is used to continuously measure dew point in low range (less than 0°F) applications. The remote sensor is mounted in the gas stream to ensure that industry required dew point specifications are monitored for applications using Hydrogen, Nitrogen and Argon.

The DPC3500 can be used to data log the process variable by using the on-board analog output or communications for SCADA applications.

### SPECIFICATIONS

Dew Point Range: -148 °F to 20 °F (-100 °C to -7 °C)  
Resolution:  $\pm 1.0$  °F Dew Point ( $\pm 0.1$  °C)  
Accuracy:  $\pm 2$  °F (-75 to 20 °F)  $\pm 4$  °F (-148 to -76 °F)  
Repeatability:  $\pm 2$  °F ( $\pm 1$  °C)  
Power: 90 - 260 VAC 47/63 Hz  
Retransmission Output: 4-20mA equal to the process variable

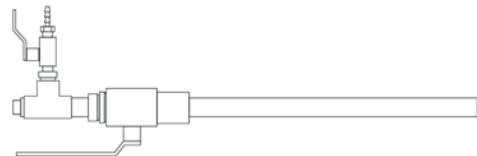


### Filter System - Low Range Dew Point Analyzer

Designed to enhance the sample when taken from a "dirty" operation similar to sintering and rotary furnaces. Stainless steel filter, flow scope and hand-valves to isolate the sensor for replacement purposes and a rugged sample pump make up the components for the filter system.

### Sample Wand

Cermet Coated  
1" NPT  
Sight glass



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