

Model RS2700

Multi Gas Dew Point Analyzer



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This automated multi gas dew point analyzer housed in a Nema 4 enclosure can measure dew points from two to seven different gases, and dew points as low as -75°C. The model RS2700 uses a single chill mirror dew point sensor to ensure precision accuracy, stability, and repeatability.

Automated Process Sampling

- PLC controlled including operating software.
- PLC data logging capability.
- Time intervals settable by the end-user.
- Measures one dew point gas at a time.

Multi Gas Dew Point Sample

- 2 to 7 samples lines typically available, optional: additional sample lines available.
- Each gas line has a 0.1 micron in-line particulate/coalescing filter and control valve installed.
- A flow meter is mounted down stream from the sensor to control the flow rate at 0.25 to 2.4 liters/minute (0.5/5 SCFH).

Automatic Balance Control (ABC)

- Automatically corrects for most mirror contaminants.
- Increase the length of unattended operation.
- Automatically balances the dew point control circuit.
- For convenience, you choose the time interval for ABC cycle.

Serial and an Isolated Analog Output for Dew Point

- RS232 communication and a 4-20mA isolated output.

Dual Alarm Capability

- User programmable.
- Can be set for latching or auto-reset mode.
- Form C for greater versatility.

SPECIFICATIONS

Dew point range:	-60°C on air, -75°C on auxiliary coolant
Dew point accuracy:	+/- 0.2°C - NIST traceable calibration certificate provided
PLC data logging capabilities	
Flow rate:	0.25 to 2.4 liters/minute (0.5/5 SCFH)
Sample Pressure:	150 psi max For atmospheric and vacuum application a vacuum pump (VP) is required.
Operating temperature:	-20°C to 60°C
Power:	100-204Vac 50-60Hz
Physical:	
Dimensions	24" x 16" x 6" (610mm x 406mm x 147mm)
Weight:	37lbs (16.8kg)
Mounting:	Wall mounted Nema 4 enclosure

