

DewPort™

Portable Water and Hydrocarbon Dewpoint Analyzer



World's Only Automated, Portable, Water and Hydrocarbon Dewpoint Analyzer

KEY FEATURES

- First Principle Chilled-mirror measurement
- Highly Reliable
- Distinguishes Between Hydrocarbon and Water
- No Consumables
- Self-cleaning mirror
- Immune to Most Contaminants
- No Calculation Errors
- Fully Automated
- The world's only spectroscopic chilled-mirror
- Simultaneous Determination of Moisture and Hydrocarbon Dewpoints within $\pm 0.5^{\circ}\text{C}$ (1°F) , 0.1° Resolution
- Inert Nature of the CEIRS™ Sensor Crystal Means Virtual Immunity to Contamination by Entrained Fluids
- Direct, First Principal Measurement Means Modeling and Calculations are a Thing of the Past
- NIST Traceable Dewpoint Temperature Sensor
- No Carrier Gas



SPECIFICATIONS

Performance

Dewpoint Measurement Range†	Up to 126°F (70 °C) below ambient temp.
Lowest Detectable Dewpoint	-40 °F (-40 °C)
Highest Detectable Dewpoint	19°F (10 °C) below ambient temp.
Dewpoint Accuracy	±0.9 °F (±0.5 °C)
User Interface	Integrated Touch-Screen Control, Data-logging
Measurement Time	2-15 Minutes

Application Condition

Operating Temperature	-4 to 131°F (-20 to +55°C)
Storage Temperature	-22 to 149°F (-30 to +65°C)
Input Pressure	Up to 1500 psi (103 bar)
Output Pressure	25 psi (1.7 bar)
Flow Rate	0.5-1 SLM

Electrical and Communication

Input Voltage	12-15 VDC, AC/DC Adapter Available
Power Usage	120W Peak, <30W Average
Battery Pack	Optional, up to 8 hours of operation
USB Port Data Logging	Last 1000 Measurements

Physical

Size (without sample system)	14.8"x18.7"x7" (375x475x178mm)
Weight	15 lbs (7Kg)

Certification

Hazardous Location	II 3 G Ex e IIC T6 Gc
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† The cooling range is a function of several different factors, including ambient temperature, flow rate, etc. and may be different