

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
 - Immune to Most Contaminants
 - No Calculation Errors
 - Fully Automated
- Simultaneous Determination of Moisture and Hydrocarbon Dewpoints within 1 °F/ (±0.5 °C)
 - 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



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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
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 1500psi (103bar)
Output Pressure	25 psi
Flow Rate	2 SLM

Electrical and Communication

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

Physical

Size (without sample system)	14.8"x18.7"x7" (375x475x180mm)
Weight	15lbs (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