

Accurate. Reliable. Cost Effective.

Emissions Monitoring for Compliance & Process Improvement



Moisture H₂O Analyzer

Technology

The H₂O vapour analyzer provides sensitive monitoring of H₂O vapour in ambient air or in industrial process with a detection limit (1 σ) of 10 ppbv within 20 seconds. Its off-axis cavity enhanced laser absorption spectroscopic technique provides high quality, interference free, non-invasive H₂O vapour measurements.

The analyzer's internal computer can store large amounts of data which can be accessed remotely via USB or internet connection. With integrated electronics and software and no moving parts or optics that require realignment, the Trace Moisture H₂O Analyzer requires virtually no maintenance.



Moisture Analyzer

Performance	
Detected gas	Moisture (H ₂ O)
Measurement technique	Direct absorption, inline continuous measurements
Measurement range	0-30 ppmv
Noise level	10 ppbv
Measurement time	20 seconds
Stability	<1 % of value or 10 ppb over 24 hours, whichever is larger
Response Time	<1 minute
Flow	10 - 30 l/h
Operating Temperature	10 - 20°C

Technical Characteristics	
Dimensions	40 x 45 x 14cm (LxWxH)
Weight	15 kg
Fittings	1/8" Swagelok

Interface	
Outputs	Analog: 4-20 mA and 0-5 V Digital: RS-232, Ethernet USB, 5x user configurable (5 V)
File Format	.CSV
User Interface	6.5" Touchscreen, web-based



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