Moisture Analyzer

The H_2O vapour analyzer provides sensitive monitoring of H_2O vapour in ambient air or industrial process with high selectivity and sensitivity.

The instrument is based on off-axis cavity enhanced laser absorption spectroscopic technique providing high quality, interference free, non-invasive H_2O vapour measurements as required for the most demanding industrial trace gas detection applications. The H_2O vapour analyzer operates continuously and performs unattended online monitoring. With integrated electronics and software and no moving parts or optics that require realignment, the analyzer requires virtually no maintenance. The internal computer can store large amounts of data and can be accessed remotely via USB or internet connection.

Performance

Detected gas	Moisture (H_2O)
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 - 30 °C

Technical characteristics

Dimensions	40x45x14cm (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 user interface

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