Nitrogen Dioxide Analyzer

The NO_2 analyzer provides continuous direct NO_2 monitoring without the need for converters, 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 NO_2 measurements as required for the most demanding industrial trace gas detection applications. The NO_2 analyzer operates continuously and performs unattended on-line monitoring, without the need for converters. With integrated electronics and software and no moving parts or optics that require realignment, the analyzer requires virtually no maintenance and is designed for robustness. The internal computer can store large amounts of data and can be accessed remotely via USB or internet connection.

Performance

Detected gas	Nitrogen Dioxide (NO_2)
Measurement technique	Direct absorption, inline continuous measurements
Measurement range	0-10 ppmv
Noise level	1 ppbv
Measurement time	1 second
Stability	<1 % of value or 1 ppb over 24 hours, whichever is larger
Response time	<1 minute
Flow	Max 5 - 150 l/h (depends on pump)
Operating temperature	10 - 30 °C

Technical characteristics

Dimensions	40x45x14cm (LxWxH)
Weight	15 kg
Humidity	0 - 95 % (non-condensing)
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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