

Gas Analyzer GA 315 formaldehyde

The GA 315 allows easy online measurement of IR-active substances in gas streams having temperatures of up to 300 degrees Celsius, e. g. formaldehyde concentrations in combustion processes.



use

Formaldehyde measurements in the exhaust of gas engines on biogas or landfill gas plants, measurements of gas constituents that are usually not captured without loss when using a gas cooler.

advantages

- directly measured value display
- measuring principle NDIR
- high long term stability
- regulation of a heated sample gas line
- easy handling
- data communication via integrated computer

fields of application

- industries
- waste management facilities
- energy production
- monitoring
- motor production

Made in Germany

We are your competent partner for gas measurement applications.

Our analyzers are developed and produced exclusively in Germany.

Contact

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Gas Analyzer

GA 315 formaldehyde

technical data

model:	Gas Analyzer 315 formaldehyde
measuring inputs:	1 gas inlet front heated
measurement:	NDIR one beam principle, cuvette heated up to 85°C / 185°F
measuring range:	formaldehyde: 0 - 200 mg/m ³ methane: 0 - 7000 mg/m ³ humidity: 0 - 300 g/m ³
measurement precision:	formaldehyde: < 5 % of the measured value methane: < 5 % of the measured value
detection limit:	formaldehyde 4 mg/m ³ methane 200 mg/m ³
pressure compability:	compensated, 0.7 to 1.1 bar / 10.15 to 15.95 psi (pressure of process gas)
gas flow:	ca. 4 l/min / 140.78 oz/min
gas conditioning:	plug heated analysis tube
filter:	stainless stell sintered filter with 90 Micron
tube connections:	quick connector
gas lane:	stainless steel cutting ring
housing:	19" slide-in; 400 mm / 15.75 inch depth, IP 20
climatic conditions:	ambient temperature 5°C - 45°C / 41° - 113°F / relative humidity ~ 90 %, dew free
supply voltage:	~ 230 V / 50 Hz, 5.7 A / 1300 VA
display:	840 x 640 touch panel, Windows CE 5.0 R3
operation:	touch display resistive
electrical inputs:	6 digital inputs 24 V AC/DC
electrical outputs:	1 digital output "ready" (relay) max. 48 V / 500 mA 4 digital outputs (relay) max. 48 V / 500 mA; 4 analog outputs (galvanically isolated) 4-20 mA
interfaces:	standard RS232 optional: Profibus DP, Ethernet Modbus TCP, Ethernet IP, Profinet
operational availability:	heating up max. 30 Min. (at 20°C /68°F)