

# Gas Analyzer

## GA 315 formaldehyde

The gas analyzer 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.



### usage

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 generation
- 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  
GA315 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 - 160 ppm
interference compensation	methane and humidity
measurement precision:	formaldehyde: < 5 % of the measured value
detection limit:	formaldehyde: 3 ppm
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
internal gas lane:	stainless steel cutting ring
internal filter:	stainless steel sintered filter with 90 Micron
tube connections:	quick connector
gas conditioning:	plug heated analysis tube
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
case:	19" slide-in; 400 mm / 15.75 inch depth, IP 20
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 30 Min. (at 20°C /68°F)