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Umwelttechnik

Gas Analyzer
TINA

The gas analyzer TINA is an inline measuring device for fast and efficient rapid value monitoring of toxic and explosive gas mixtures.

usage

TINA may be integrated into almost any process.
Both legal and safety requirements are complied by the continuous monitoring process.

advantages

- long term stable
- diffusion principle
- continuous
- easy offset calibration
- service-friendly
- easy to integrate

fields of application

- monitoring of solvent
- surface treatment
- industrial applications

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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technical data

model:	TINA (Gas Analyzer)
measuring technology:	diffusion (gas flow required by min. 1 liter per minute / 35.2 oz per minute)
measuring principle:	infrared absorption; single-beam photometer with reference detector
measuring range:	e.g. 0 - 100 % LEL (lower explosion level)
measurement precision:	< 2 % per measuring value and < 1 % from end of range (100% LEL)
operating voltage:	24 V DC / 55 VA ± 10 %
output:	1 analog 4-20 mA
digital input:	1 digital. 1 kΩ pull up resistor to 24 V DC input (calibration / data line)
pressure compability:	0.9 - 1.1 bar / 13.05 - 15.95 psi (measurement error proportional to pressure)
operating temperature:	0°C - 70°C / 32° - 158°F / relative humidity ~ 90 %, dew free
heated sample chamber:	heating to typical 80°C / 176 °F
response time:	T50 < 5 s / T90 < 10 s
measuring chamber:	stainless steel
electronic enclosure:	aluminium die-cast IP 67
weight:	ca. 1.5 kg / 3.3 lb
approvales:	low voltage 2006 / 95 / EC EMC 2004 / 108 / EC; behavior according to DIN EN 60079-29-1, UL / CSA license
remote indication module:	4 relay 48 V / 500 mA (ready signal, Rel. 1 / 2 / 3 = threshold 1 / 2 / 3)