Process Insights™
Premium Insights Into Process

HIGH-PERFORMANCE GAS ANALYZERS

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PRODUCT DATASHEET

T-I Max EtO™

TRACE ETHYLENE OXIDE GAS ANALYZER

Designed for reliable Trace Ethylene Oxide detection offering:

- Offers rapid, continuous measurements with no calibration requirements or consumables.
- Meets the critically low detection limits. necessary for updated NESHAP requirements.
- Ideal for facility-wide exposure monitoring and inventorying leaks.
- Absolute measurement (freedom from need for calibration gases).
- Low maintenance and cost of ownership.
- Fast speed of response.

Specifications

Performance

Operating range:	See table below
Detection limit:	See table
Precision (1σ, greater of):	± 0.75% or 1/3 of LDL
Accuracy (greater of):	± 4% or LDL
Speed of response:	<3 minutes to T90
Environmental conditions:	10°C to 40°C, 30% to 80% RH (non-condensing)
Sample conditions:	Up to 50°C and 49°C dew point(non-condensing)
Storage temperature:	-10°C to 50°C

Gas Handling System and Conditions

Wetted materials:	316L stainless steel, 10 Ra surface finish
Leak tested to:	1 x 10^{-9} mbar l / sec
Gas connections:	1/4" male VCR
Sample inlet pressure:	Atmospheric pressure
Sample flow rate:	~ 1 slpm
Sample gases:	Air, CDA, or N2
Gas temperature:	Up to 60°C

Dimensions & Weight

Standard sensor:	H × W × D 8.73 x 8.57 x 23.6 in (222 x 218 x 599 mm)
Standard sensor weight:	34 lbs (15.4 kg)

Electrical and Interfaces

Platform:	Max Series analyzer
Alarm indicators:	2 user programmable, 1 system fault, Form C relays
Power requirements:	90-240 VAC, 50/60 Hz
Power consumption:	40 Watts max.
Signal output:	Isolated 4−20 mA per sensor
User interfaces:	5.7" LCD touchscreen, 10/100 Base-T Ethernet, USB, RS-232, RS-485, Modbus TCP (optional)
Data storage:	Internal or external flash drive
Certification:	CE Mark

Standard Model

Performance	Range	LDL (3σ)	Precision (1σ) @ zero
In Nitrogen:	0 − 10 ppm	1.0 ppb	0.4 ppb
In CDA:	0 − 10 ppm	1.0 ppb	0.4 ppb
In Air:	0 − 10 ppm	1.0 ppb	0.4 ppb