

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

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

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## Gas Handling System and Conditions

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

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## Dimensions & Weight

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

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## Electrical and Interfaces

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

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### Standard Model

<b>Performance</b>	<b>Range</b>	<b>LDL (3<math>\sigma</math>)</b>	<b>Precision (1<math>\sigma</math>) @ zero</b>
<b>In Nitrogen:</b>	0 – 10 ppm	1.0 ppb	0.4 ppb
<b>In CDA:</b>	0 – 10 ppm	1.0 ppb	0.4 ppb
<b>In Air:</b>	0 – 10 ppm	1.0 ppb	0.4 ppb

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