

Ethylene Oxide (EtO) Monitoring Systems

As regulatory requirements and enforcement becomes more strict for any facility, it is necessary to have a reliable, accurate, and cost-effective way to monitor. Why not partner with a world leader in toxic gas detection?

Only **Interscan® Corporation** offers a full range of monitoring instrumentation for ethylene oxide—from portable analyzers to multipoint systems.

Interscan® monitors offer you...

- Excellent sensitivity, specificity, and accuracy
- Ease of use and reliability
- Unmatched performance



LD Series Two-Point Monitor
(Continuous Monitoring System)

In your evaluation of a supplier for your gas detection system, consider the advantages of Interscan®.

- We are specialists in manufacturing toxic gas detection instrumentation for regulatory compliance monitoring in the work place, with over 40 years of experience in thousands of installations. We are the only independently owned company left in the industry, and gas detection is our only business.
- We have always been committed to custom solutions for your monitoring requirements. In gas detection, one size most definitely does not fit all. With Interscan as your partner, the most effective system can be supplied to fit the needs of your industry.



LD Series Single-Point Monitor
(Continuous Monitoring System)

Keep your employees safe with Interscan's ethylene oxide monitoring systems. Whatever your requirement might be, Interscan® Corporation is the only name you need to remember for ethylene oxide monitoring.



Interscan's Continuous Monitoring Systems

Single Point Applications

Features & Standard Equipment

- NEMA Type 4X Fiberglass Reinforced Polyester Enclosure
- 3 1/2 digit LED display
- Integral Diaphragm Pump
- Analog output – 0-1V & 4-20mA
- Alarm signals – Audible (piezoelectric type), and Visual (strobe)
- Low and High alarm contacts, continuously adjustable through the full scale measuring range, activating dedicated relays.

To Order

Order by description, as follows:*

<u>Measuring Range (ppm)</u>	<u>Model No.</u>
0-50	LD20-50.0m
0-20	LD20-20.0m
0-5	LD20-5.00m

<u>Dimensions</u>	<u>Weight</u>
22 in. H x 18 in. W x 8.5 in. D (559 x 457 x 216 mm)	22 lb (10.0 kg)

Two Point Applications

Features/Standard Equipment

- Rugged Packaging - Nema 4x Fiberglass Enclosure
- One Sensor, one Rotameter, and one Integral Diaphragm Pump for each monitoring location.
- Two alarm set points (low and high) continuously adjustable through the full scale measuring range, activating dedicated relays for each monitoring location.
- Separate alarm signals, activating on low and high alarm conditions, occurring at any monitoring location.
- Analog output – 0-1V & 4-20mA

To Order

Standard Measuring Ranges:

<u>Measuring Range (ppm)</u>	<u>Model No.</u>
0-50	LD220-50.0m
0-20	LD220-20.0m
0-5	LD220-5.00m

*Special ranges available on request.

<u>Dimensions</u>	<u>Weight</u>
24 in. H x 20 in. W x 8.75 in. D (610 x 508 x 203 mm)	70 lb (31.8 kg)

Portable Analyzers

While most of the EtO instruments we supply are for continuous monitoring, you may also have a requirement for a portable, survey unit.

To Order

<u>Measuring Range (ppm)</u>	<u>Model No.</u>
0-50	4200-50.0m
0-19.99	4200-19.99m
0-5	4200-5.00m



Features

- Real-time Digital Display
- An integral sample pump, powered by rechargeable Ni-Cd batteries (supplied), giving up to 10 hours of continuous service.
- Panel meter indication of battery condition
- Adjustable Audible and Visual Alarm
- Heavy Duty Cordura® (Nylon) Carrying Case
- Analog output (0-100mV full scale)
- External Battery Charger

Options

- Special Ranges
- UL Classified Intrinsically Safe, for use in hazardous locations, Class I, Groups A, B, C, and D (10X0)

<u>Dimensions</u>	<u>Weight</u>
7 in. H x 4 in. W x 8.875 in. D (178 x 102 x 225 mm)	4.5 lb (2.0 kg)

Common Specifications

(Applicable to all instrument configurations)

Specification parameters are defined per ISA's S5.1 Committee and SAMA's RC-20-11-1964 standard. Performance of a particular model may vary from these specifications, and may also be influenced by environmental factors. For further data, please consult the factory.

Accuracy:	±2.0% of full scale, ±1 least significant digit (Limited to accuracy of calibration standard)
Repeatability:	±0.5% of full scale
Linearity:	±1.0% of full scale
Zero Drift:	±1.0% of full scale (24 hours)
Span Drift:	Less than ±2.0% of full scale (24 hours)
Lag Time:	Less than 1 second
Response Time	
To 1 ppm alarm	
(0-5ppm scale):	10 seconds
Rise Time:	45 seconds to 90% of final value
Fall Time:	30-45 seconds to 10% of original value
Calibration:	Interscan's Sensor Express®

We look forward to working with you on your ethylene oxide monitoring requirements.

Interscan Corp. - 4590 Ish Drive
Suite#110 Simi Valley, CA 93063

Toll Free 1 800 458- 6153 (U.S. & Canada)
Fax (818) 341-0642 Phone (818) 882- 2331

Website: www.gasdetection.com
E-mail: info@gasdetection.com