



Leo^{LX4/5}

**4-5 gas monitor
with humidity
resistant
technology.**



Robust, portable multi-gas monitor provides accurate detection for workers against hazardous Volatile Organic Compounds (VOCs).

Best available gas monitoring

- Photoionization detector (PID) sensor unaffected by humidity with Anti-contamination design
- Measures and displays up to 5 gases simultaneously
- Fully programmable
- On board data logging

Flexibility

- A wide variety of plug-and-play smart sensors to choose from
- Built-in pump or user selectable diffusion mode
- Field serviceable - no factory service required

Safety

- 95 dB audible alarm plus 360 degree high visibility light bar
- High impact rubberized case for safe use in tough environments
- IP65 approved

Low cost

- Low ongoing cost of ownership



Designed with the customer in mind, this robust and accurate portable gas monitor provides unrivaled protection for workers in confined space applications across a variety of industries and gases.

The instruments unique patented Fence Electrode Technology (found within its photoionization detection (PID) sensor) ensures optimal resistance to humidity effects and contamination, giving the user the best possible performance in the field for VOC detection.

The versatility in having multiple pre-calibrated plug-and-play sensors to choose from and full password protected programming available in the field makes the Leo^{LM4/5} perfect for rental ready applications, plant turnarounds, fire hazmat and any confined space application where a gas monitor is needed.

Complete with on-board data logging, field accessible program menus, long duration NiMH rechargeable or optional alkaline battery pack, the instrument will run for a minimum of 12 hours with the pump running or 18 hours or more in diffusion mode.

This high quality instrument is an excellent choice in ensuring worker protection, whilst providing a cost effective service. Each instrument is shipped with a unit, charger, 10 ft of tubing with connector and laminated quick reference guide.

Leo^{LM4/5} meets all world standards of compliance and is fastly becoming the preferred portable multi-gas detector.

| Plug and Play Sensor Specificaions | | | |
|---------------------------------------|--|------------------|-----------------|
| GAS | RANGES | RESOLUTION | SENSOR TYPE |
| O ₂ ⁺ | 0 - 25 % | 0.1 % Vol | Electrochemical |
| Dual CO/H ₂ S ⁺ | 0 - 1000 ppm CO 0 - 1000 ppm H ₂ S | 1 ppm | Electrochemical |
| LEL ⁺ | 0 - 100 % LEL | 1 % LEL | Peillistor |
| VOC ⁺ | 0 - 999 ppm 0 - 50 ppm | 1 ppm 0.1 ppm | PID |
| CO ⁺ | 0 - 1000 ppm | 1 ppm | Electrochemical |
| H ₂ S ⁺ | 0 - 100 ppm | 1 ppm | Electrochemical |

* Standard sensors
+ Optional sensors

TECHNICAL SPECIFICATIONS

SIZE

5.5" x 3.3" x 1.7" (14 x 8.5 x 4.5 cm)

WEIGHT

14oz (397g)

TEMPERATURE

-4°F to +122°F (-20°C to +50°C)

HUMIDITY

0 to 98% R.H. non-condensing

ALARMS

Visual 360° full light bar, piercing 95db audible

4 gas alarms per gas user programmable

TWA/STEL alarms visual and audible

Low flow visual and audible

Low battery alarm

LOW FLOW ALARM

Auto shut off pump and low flow conditions

DISPLAY

LCD backlit display

BATTERY/RUN TIME

NiMH rechargeable battery - 12hr. minimum pumped / 18hr. diffusion

Alkaline battery pack (3AA) - 12hr. minimum pumped / 18hr. diffusion

Approximately 10 hours for a full charge

SAMPLING PUMP (max 100ft extension tubing)

Internal 2 speed pump

High flow (550 cc/min) and low flow (350 cc/min)

Push button diffusion mode

DATA LOGGING

1,440 data log point including date and time stamp

ENCLOSURE

High impact rubberized polycarbonate case

RATING

IP65 (IP54 sensors only)

APPROVALS

US: UL, classified as intrinsically safe for use in class 1, division 1, groups A, B, C, D

WARRANTY

5 years on non-consumable components

2 years on LEL, O₂, H₂S and CO sensors, pump and battery

3 years on PID sensor including 10.6 eV lamp

Leo V1.2: This publication is not intended to form the basis of a contract and specifications can change without notice.

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