

# LTX312 Multi-Gas Monitor



- **Continuous monitoring of up to three gases**
- **Combustible gas over-range protection**
- **One-button auto calibration**
- **PPM hydrocarbon detection**
- **90 dB audible alarm**

Designed to provide maximum personal protection under potentially dangerous atmospheric conditions, the LTX312 is an easy-to-use gas monitor for use in any industry.

The LTX312 simultaneously monitors up to three gases: combustible gases (LEL or methane), oxygen and any one of ten toxic gases (ammonia, carbon monoxide, chlorine, chlorine dioxide, hydrogen chloride, hydrogen cyanide,

hydrogen sulfide, nitric oxide, nitrogen dioxide and sulfur dioxide).



Advanced electrochemical sensors allow for accurate monitoring of CO in hydrogen backgrounds and ammonia in high temperature and high humidity environments.

The LTX312 automatically recognizes and identifies installed sensors and adjusts alarms and recommended calibration parameters accordingly.

Additional features include: plug-in sensors, RFI protection, 90 dB audible and ultra-bright visual alarms and user-selectable alarm set points and calibration settings. Accessories such as sampling pumps, external alarms and additional battery packs add even greater convenience and flexibility to the unit.



**Questions? Call 1-800-DETECTS or 412-788-4353 or e-mail:info@indsci.com.**

## SPECIFICATIONS

<b>CASE:</b>	Type 304 Stainless Steel
<b>DIMENSIONS:</b>	4.75" x 2.75" x 1.65" (121mm x 70mm x 42mm)
<b>WEIGHT:</b>	20.4 oz (578 g)
<b>SENSORS:</b>	Combustible Gases/Methane – Catalytic Diffusion Oxygen and Toxic Gases – Electrochemical
<b>MEASURING RANGES:</b>	<i>Combustible Gases</i> – 50 ppm to 100% LEL (over-range protected) <i>Methane</i> – 0 to 5% of volume in 0.1% increments (over-range protected) <i>Oxygen</i> – 0 to 30% of volume in 0.1% increments <i>Ammonia</i> – 0 to 100 ppm in 1 ppm increments <i>Carbon Monoxide, Hydrogen Sulfide, Nitric Oxide</i> – 0 to 999 ppm in 1 ppm increments <i>Chlorine, Chlorine Dioxide, Hydrogen Chloride, Hydrogen Cyanide, Nitrogen Dioxide, Sulfur Dioxide</i> – 0.2 to 99.9 ppm in 0.1 ppm increments
<b>POWER SOURCE (RUN TIME):</b>	Rechargeable Ni-Cad Battery Pack (10 hours typical) Replaceable Cell Lithium Battery Pack (18 hours typical) Replaceable 9-volt Alkaline Battery Pack (11 hours typical)
<b>TEMPERATURE RANGE:</b>	-4°F to 122°F (-20°C to 50°C)
<b>HUMIDITY RANGE:</b>	0 to 99% RH (non-condensing)
<b>APPROVALS:</b>	UL and CSA – Class I, Groups A, B, C, D MSHA – Intrinsically safe for Methane/Air mixtures only

The LTX312 comes equipped with a Ni-Cad battery pack installed. To order the unit with Lithium batteries, add an “L” as a suffix to the part number. To order the unit with Alkaline batteries, add an “A” as a suffix to the part number.

## MOST COMMON INSTRUMENT CONFIGURATIONS (Complete listing in Index, see pages 70 and 71.)

<u>PART NUMBER</u>	<u>DESCRIPTION</u>
1810-3606-0111	LEL, O <sub>2</sub> , CO
1810-3606-0121	CH <sub>4</sub> , O <sub>2</sub> , CO
1810-3606-0211	LEL, O <sub>2</sub> , H <sub>2</sub> S
1810-3606-0011	LEL, O <sub>2</sub>

## MAJOR ACCESSORIES

<u>PART NUMBER</u>	<u>DESCRIPTION</u>
1810-2251	Two-Unit Compact Charger, 115V
1810-2231	Two-Unit Compact Charger, 230V
1810-2255	Four-Unit “Smart” Dual-Rate Charger, 115V
1810-2517	Four-Unit Dual-Rate Charger, 230V
1704-1872	Spare Battery Pack, Rechargeable Ni-Cad
1704-9889	Spare Battery Pack, Replaceable Lithium Cells
1706-7174	Spare Battery Pack, Replaceable 9-volt Alkaline
1810-2156	SP402 Motorized Sampling Pump
1810-2169	SP402 Motorized Sampling Pump (CSA version)
1810-2284	Constant-Flow Hand Aspirated Pump for 300 Series
1810-3747	103 dB External Alarm
1810-2188	Calibration Kit, H <sub>2</sub> S, O <sub>2</sub> , Pentane, 58 L
1810-2269	Calibration Kit, CO, O <sub>2</sub> , Pentane, 103 L
1600-0025	LTX312 Maintenance and Training Video, VHS
1600-0024	LTX312 Training Tutorial (CD-rom)