

# Toxgard II Gas Monitor

Versatile monitor for combustible gas, toxic gas or oxygen deficiency detection



## Simplicity/Ease of Use

- Large, four-digit LED display
- Large LED alarm indicators
- Internal relay contacts for FAULT, CAUTION, WARNING, and ALARM
- Fail-safe fault relay output
- Diagnostics that appear on the display
- Audible alarm
- 4-20 mA output
- Automatic calibration
- *Replace Sensor* indication when sensor nears its end of life
- Real-time clock for time and date-stamping of events
- Logging of minimum, maximum and average gas concentrations over predetermined time intervals
- Selectable lock-out of output signals during calibration to inhibit alarms and control actions
- Digital, multi-drop communication
- Externally-mounted plug-in sensor is easily replaced
- Remote sensor enables sensors and transmitters to be separated for installations where sensor access may be difficult

## Flexibility

- Can be used as transportable gas monitor with optional internal battery
- Three levels of alarm
- Optional integral pump for sample draw systems

## Durability

- Housed in a rugged, metal NEMA 4X enclosure, or standard steel version
- Sensorgard protects sensor from dirt and water and acts as a baffle in windy environments

Specifications for Toxgard II Gas Monitor

<b>GAS TYPES</b>	Combustibles, oxygen, toxics
<b>TEMPERATURE RANGE</b> TOXICS AND OXYGEN	-4°F to 122°F (-20°C to 50°C) <i>(Range on some models may differ.)</i>
COMBUSTIBLES	-40°F to 194°F (-40°C to 90°C)
<b>ZERO DRIFT</b>	<5%/yr., typically
<b>SPAN DRIFT</b>	<10%/yr., typically
<b>NOISE</b>	Less than 1% FS
<b>ACCURACY</b> REPEATABILITY LINEARITY	±1% FS or 2 ppm ±2% FS (combustible, O <sub>2</sub> , CO) ±10% FS or 2 ppm (others)
<b>STEP CHANGE RESPONSE</b> T20 O <sub>2</sub> AND TOXICS T50 O <sub>2</sub> AND TOXICS T50 COMBUSTIBLES T90 COMBUSTIBLES	< 12 sec. (typ. 6 sec.) < 30 sec. (typ. 12 sec.) < 8 sec. < 20 sec.
<b>HUMIDITY</b>	0-95% RH, non-condensing
<b>SENSOR LIFE</b> COMBUSTIBLES TOXICS AND O <sub>2</sub>	3 years typically 2 years typically
<b>FULL REPLACEMENT WARRANTY</b>	1 year
<b>HAZARDOUS AREA RATING</b>	General purpose, XP remote sensor assembly can be installed in Class I, Div I areas
<b>POWER INPUT</b>	110-220 VAC power input
<b>SIGNAL OUTPUT</b> 4-20 mA DIGITAL	2-wire current source See bulletin #1600-08
<b>INTERNAL RELAYS</b>	Fault, Caution, Warning, Alarm
<b>INTERNAL RELAY CONTACT RATING</b>	5 amp @ 125 VAC; 5 amp @ 30 VDC
<b>BATTERY BACK UP BATTERY TYPE</b>	12V lead acid
<b>BATTERY OPERATING TIME</b> No options; minimal alarm activity: TOXICS AND O <sub>2</sub> COMBUSTIBLES  Full options; depending on alarm activity: E-CHEM COMBUSTIBLES	up to 24 hr. up to 10 hr.  1-4 hrs. 0.5-2 hr.
<b>PHYSICAL</b> ENCLOSURE WEIGHT	10" W x 12" H x 5" D (254 x 305 x 127 mm) 13 lbs. (6 kg)