

TIGER XT

Pioneering Gas Sensing Technology.
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Tiger XT



Rapid, accurate detection of Volatile Organic Compounds (VOCs), within the most challenging environments.

Ultimate Performance

The Tiger XT's photoionization detection (PID) technology has been independently verified as best performing on the market for speed, accuracy, resistance to humidity, and contamination, thanks to its patented Fence Electrode Technology. Its patented Fence Electrode Technology and anti-contamination design ensures optimal performance within humid and heavily contaminated atmospheres, extending run time in the field.

The Tiger XT is the most advanced handheld VOC detector on the market with the widest measurement range, accurately detecting gases down to 1 part per billion (ppb) up to 20,000 part per million (ppm). Tiger has the fastest response time on the market of just two seconds, and is as quick to clear down. The Tiger XT handheld VOC gas detector can detect over 750 VOCs and toxic compounds!

Key Features

>> **Improved Robust Design**
The instrument's rugged body can withstand harsh environments

>> **Large Internal Gas Table**
Internal gas table has over 750 VOCs & toxic compounds

>> **IP65 Ingress Protection**
Protection against a range of conditions and weather temperatures

>> **Fast Response Time & Clear Down**
<2 second response time, one of the fastest and most accurate on the market

>> **Instantaneous Alarms**
Bright visible alarms: **RED** & **AMBER** with loud sounder (95 dBA at 300 mm (12"))

>> **Humidity Resistant and Anti-Contamination Design**
Patented Fence Electrode Technology ensures optimal performance and extends run time



Tiger XT Features



Low cost consumables including filters

An integrated torch designed for dimly lit areas

Flashing LEDS (low & high alarms)

Loud alarms (Sounder 95 dBA at 300 mm)

A large, clear backlit display for easy viewing in any light condition

Vibrations on alarm

Large clear keypad designed for one handed operation

Improved robust design

Li-ion battery life typically up to 24 hours (charge time 8 hours)

Intrinsically safe and meets ATEX, IECEx, North American and Canadian Standards

Upgradeable Features

The Tiger XT is fully upgradeable, this allows users to add further functionality if required. Upgradable features include Health and Safety mode, PPB Sensitivity, Data Logging, Single Log Only (Push to Log) and Multi Log Only. Tiger XT is fully upgradable without having to return the instrument to the factory.

Typical Applications

Typical applications for the Tiger XT include: Environmental Monitoring, Soil Contamination Detection, VOCs in Landfill, Confined Space Entry, Emergency Response, Wing Tank Entry, Medical Gases within Hospitals and Fugitive Emissions.

5 Year Extended Warranty

The Tiger XT can be registered online which extends warranty to up to 5 years. Register your instrument online within one month of purchase to extend the warranty.

Technical specifications

Intrinsically safe approvals
- Ⓔx II 1G Ex ia IIC T4 Ga
- Tamb = -13˚F ≤Ta ≤ +113˚F (with lithium ion battery pack)
- Tamb = -13˚F ≤Ta ≤ 104˚F (with alkaline battery pack)
- ITS-I22ATEX35111X
- IECEx ITS 22.0025X
- ITS22UKEX0635X
- 3193491 conforms to UL Std. 913, 61010-1
- Certified to CAN/CSA Std. C22.2 No. 61010-1
- Class 1 Division 1. Approval for Groups A, B, C & D, T4

Humidity
- 0-99% RH (non condensing)

Lamps
- 10.6 eV Krypton PID lamp (standard.) 10.0 eV and 11.7 eV lamps available

Data logging*
- 120,000 points including date and time stamp

Communication
- Direct USB 1.1 connection

Calibration
- 2 and 3 point calibration (via calibration kit accessory)

Battery life
- Li-ion: Typical battery life up to 24 hours, charge time typically 8 hours
- Alkaline: 3 x AA, typically 8.5 hours life

Flow rate
- ≥ 220 ml/min (with blocked flow alarm)

Protection
- Designed to IP65
- EMC tested to EN61326-1:2013 & EN50270:2015 & CFR 47:2008 Class A

Alarm
- Flashing LEDs Amber (low alarm) Red (high alarm)
- Sounder 95 dBA at 300 mm (12”)
- Vibration on alarm
- Pre-programmed TWA and STEL*

•PERFORMANCE *		
	10.6 eV	**11.7 eV**
Minimum Sensitivity * **	1 ppb or 0.001 mg/m³	0.6 ppm (600 ppb)
Maximum Reading (Range)**	20,000 ppm or 20,000 mg/m³ ***	9,000 ppm ***#
Accuracy * **	± 5% or ± one digit	± 12% display reading
Response Time T90 (s)	< 2 seconds	< 6 seconds
Lamp Lifetime	10,000 hours	≥500 hours****
Temperature Range	-4˚F to 140˚C	32˚F to 140˚F

WEIGHT & DIMENSIONS	
Instrument with probe	Width: 91 x Height: 370 x Depth: 60 mm
Instrument Weight	870g

*Model and gas dependent.
**Maximum reading is achieved with certain analytes such as ethanol.
***Specifications are based on isobutylene calibrations at 20 ˚C and 1000mBar.
All specifications quoted are at calibration point and under the same ambient conditions.
**** Based on continuous running.
#For indicative measurement only. Quoted accuracy achievable up to 2,000 ppm. For more accurate detection, calibration around concentration of interest is recommended.
Tiger XT V1.0. This publication is not intended to form the basis of a contract and specifications can change without notice.

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