TIGER XTL

Cost-effective Volatile Organic Compound (VOC) detection without compromising accuracy



Ultimate Performance

The Tiger XTL delivers straightforward, cost-effective VOC detection with all the essential features. Designed to keep running costs low, with affordable replacement lamps, filters and disposable parts. This variant of the hugely popular Tiger XT VOC detector is low on cost but high on performance. Its revolutionary, patented PID sensor technology with resistance and anti-contamination design provides market leading accuracy and run time. Combined with 24 hour battery life, these features maximise field time by minimising erroneous readings in high humidity and drift in hard environments.

The Tiger XTL portable VOC gas detector is ETL (Electrical Testing Laboratories), KGS (Korean Gas Safety), IECEx (International Electrotechnical Commission System for Certification to Standards Relating to Equipment for Use in Explosive Atmospheres) certified. It is also ATEX approved meaning the instrument is intrinsically-safe for use in hazardous locations.

Key Features

- **Improved Robust Design**
  The instrument's rugged body can withstand harsh environments.
- **Long Rechargeable Battery Life**
  When fully charged, the lithium-ion battery can last up to 24 hours.
- **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 inches)).
- **Humidity Resistant and Anti-Contamination Design**
  Patented Fence Electrode Technology ensures optimal performance and extends run time.



Tiger XTL Features



- Low cost consumables including filters
- An integrated torch designed for dimly lit areas and 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 up to 24 hours (charge time 8 hours)
- Intrinsically safe and meets ATEX, IECEx, North American and Canadian Standards

Minimal Instrument Downtime

The Tiger XTL has been designed with the user in mind for ease of use and servicing. Batteries can be replaced in potentially explosive environments due to the innovative intrinsically safe design. Affordable filters and lamps can be replaced in minutes, minimising downtime, although recalibration is required afterwards.

2 Year Extended Warranty

The Tiger XTL can be registered online which extends warranty to up to 2 years. Register your instrument online within one month of purchase to extend the warranty.

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Common Applications

- Environmental monitoring
- Confined space entry
- Plant maintenance
- Marine down-stream monitoring
- Hazardous material response
- TAC detection at loading docks and barge operations



Spares & Accessories



PID Lamp (10.6 eV)

Replacement 10.6 eV PID lamp for the Tiger XTL.

P/N LA4TM600



MiniPID Electrode Stack (Orange)

Replacement orange electrode stack for the Tiger XTL PID sensor.

P/N A-846496



MiniPID 2 Sensor (10.6 eV, 6-Pin, Orange)

Replacement PID sensor for the Tiger XTL.

P/N MP6SX66XU2



Multi Adaptor with Probe Extension (300 mm)

Flexible probe attaches to the Tiger XT range and is used for hard to reach spaces.

P/N A-912336



Multi Adaptor with Probe Extension (1000 mm)

Flexible probe attaches to the Tiger XT range and is used for hard to reach spaces.

P/N A-912337



Multi Adaptor with Pipe Connector

Features a quick-release connector for attaching longer lengths of tubing with a 4 mm internal diameter and 6 mm external diameter.

P/N A-912338

Technical Specifications

Minimum resolution*	0.1 ppm		
Maximum reading	5,000 ppm		
Response time	T90 <2 seconds		
Accuracy	±5% display reading or ± one digit (at calibration point)		
Intrinsically safe approvals	Ⓔx II 1G Ex ia IIC T4 Ga Tamb = -25 °C ≤ Ta ≤ +45 °C (with lithium ion battery pack) Tamb = -25 °C ≤ Ta ≤ +40 °C (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
Battery life	Li-ion: Typical operating time of up to 24 hours Charge time: Typically 8 hours Alkaline: 3 x AA, typically 8.5 hours life		
Lamps	10.6 eV Krypton PID lamp		
Data logging*	Push-to-log, 128 zones, 80,000 data points		
Calibration	Standard calibration 100 ppm isobutylene Custom calibration capability		
Alarm	Flashing LED and 95 dBA at 300 mm (12 ") audible sounder Selectable vibrating alarm		
Flow rate	≥220 ml/min (with blocked flow alarm)		
Temperature	Operating: -20 to 60 °C, -4 to 140 °F Humidity: 0 to 99% RH (non condensing)		
Protection	Designed to IP65 EMC tested to EN61326-1:2013 & EN50270:2015 & CFR 47:2008 Class A		
Weight & dimensions	870 kg 370 (h) x 91 (w) x 60 (d) mm		

All specifications quoted are at calibration point and under the same ambient conditions.
Specifications are based on isobutylene calibration at 20 °C, 90% RH and 1000 mBar.
*Model dependant.
This publication is not intended to form the basis of a contract and specifications can change without notice.

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