



# TIGER XTL

Pioneering Gas Sensing Technology.  
[ionscience.com](http://ionscience.com)





# Tiger XTL

**Low cost Volatile Organic Compound (VOC) detector with reliable market leading accuracy!**



## Ultimate Performance

The Tiger XTL is a ground breaking low cost entry level VOC detector with all the essential functions you need to detect VOCs. The instrument has the lowest running costs on the market with inexpensive disposable parts, lamps and filters. 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.

## Key Features

- >> Improved Robust Design**  
The instruments 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 Reponse 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 XTL Features



### 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. Low cost filters and lamps can be easily changed in minutes, minimising instrument downtime.

### Typical Applications

Typical applications for the Tiger XTL include: Environmental Monitoring, Soil Contamination Detection, VOCs in Landfill, Confined Space Entry, Emergency Response, Wing Tank Entry, Fumigation Gases & Medical Gases.

### 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](#).



# Technical specifications

## Minimum resolution\*

- 0.1 ppm

## Maximum reading

- 5,000 ppm

## Response time

- T90 < 2 seconds


## Accuracy

- $\pm 5\%$  display reading or  $\pm$  one digit

## Linearity\*

- 5% display reading or  $\pm$  one digit

## Intrinsically safe approvals

-  I 1G Ex ia IIC T4 Ga
- Tamb = -25 °C  $\leq$  Ta  $\leq$  +45 °C (with lithium ion battery pack)
- Tamb = -25 °C  $\leq$  Ta  $\leq$  +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

## 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 (standard)

## 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 300mm (12") audible sounder
- Selectable vibrating alarm

## Flow rate

- $\geq 220$  ml/min (with blocked flow alarm)

## Temperature

- Operating: -20 to 60 °C, -4 to 140 °F
- Humidity: 0-99% RH (non condensing)

## Protection

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

## Weight & dimensions

- 370 mm (H) x 91 mm (W) x 60 mm (D)
- 870g

TIGER XTL V1.0 This publication is not intended to form the basis of a contract and specifications can change without notice. 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.

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# Diensten van EURO-INDEX

EURO-INDEX is fabrikant, importeur en distributeur van diverse A-merken op het gebied van test- en meetinstrumenten. Daarnaast leveren wij een groot aantal diensten om het gebruik van deze instrumenten in uw bedrijfsvoering te optimaliseren. Dit omvat uiteraard onderhoud, reparatie en kalibratie van de instrumenten, maar ook kennisdeling via EURO-INDEX Academy en verhuur van instrumenten.

## Geautoriseerd Service Centrum

EURO-INDEX b.v. is van alle vertegenwoordigde merken een Geautoriseerd Service Centrum. Dit betekent dat uw instrumenten worden behandeld door technici die zijn opgeleid door de fabrikant en beschikken over de juiste gereedschappen en software. Er worden uitsluitend originele onderdelen toegepast en de garantie van uw instrument, evenals de certificering (ATEX, EN50379, etc.) blijven intact.

## Kalibratielaboratorium

Het laboratorium in Nederland beschikt over een RvA accreditatie naar EN-ISO/IEC 17025. Deze accreditatie geldt voor grootheden, zoals gespecificeerd in de scope bij accreditatienummer K105. RvA kalibratiecertificaten zijn internationaal geaccepteerd en is gelijkwaardig aan BELAC.



## Mobiele Service

Naast de vaste kalibratielaboratoria in Zaventem en Capelle aan den IJssel beschikken wij ook over een laboratorium op wielen met de naam "Mobiele Service". Dit biedt vertrouwde service en kwaliteit, bij u voor de deur!

## KWS®

KWS® is een uniek servicesysteem voor uw meetinstrumenten met periodiek onderhoud en kalibratie tegen vaste, lage kosten. Via een gratis webportal ([mijnkws.be](http://mijnkws.be)) heeft u altijd en overal beschikking over uw kalibratiecertificaten.

## Verhuur van meetinstrumenten

- Uitgebreid assortiment
- Nauwkeurigheid aantoonbaar door actueel kalibratiecertificaat
- Deskundig advies
- Complete levering inclusief accessoires

## EURO-INDEX Academy

- Trainingen, seminars en workshops
- Demonstratie- en instructievideo's
- Application notes



Servicebalie



Onderhoud, reparatie en kalibratie



Trainingen en seminars



Mobiele Service

Wijzigingen voorbehouden EURO-INDEX® VL 23001



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