TIGER XTS



Rapidly detects Benzene & Total Aromatic Compounds (TACs) providing the most accurate reliable data available

Ultimate Performance

Utilising the high output ION Science 10.0 eV lamp, the Tiger XT Select (XTS) portable benzene gas detector is capable of detecting Total Aromatic Compounds (TACs) including Benzene, Toluene and Acetone. The instrument uses replaceable benzene pre-filter tubes for selective benzene detection. Tubes must be replaced after each use and are available to purchase separately. The tube can be easily attached to ensure rapid detection and selective measurement of benzene. Throughout the measurement process, Tiger XTS benzene gas detector continuously displays real time data.

The instrument uses benzene pre-filter tubes for selective benzene detection, including during STEL measurements. Tubes are consumable items and must be replaced after each use. Replacement packs are available to purchase separately.

The Tiger XTS handheld benzene gas detector can be used in standard operational mode without the use of a benzene pre-filter tube to deliver active indications of volatile organic compounds (VOCs).

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 in Standard Mode or 130 seconds in Tube Mode at 20 °C (variable) 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 XTS Features



- Benzene pre-filter tube to detect benzene selectively
- 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
- 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

Basic & Advanced Modes

For simplicity and ease of use, the Tiger XTS has been split into two, user-friendly modes: **Basic & Advanced**. The instrument always starts in standard running mode, displaying general TAC readings. Basic Mode limits selectable options to Tube Mode and Calibration, while Advanced Mode provides access to additional features, including settings and data logging (if purchased). Tube Mode enables benzene-specific readings.

5 Year Extended Warranty

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

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Common Applications

- 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 PID lamp for the Tiger XT Select.

P/N LA4TS600



MiniPID Electrode Stack (White and Gold)

Replacement white and gold electrode stack for the Tiger XT Select PID sensor.

P/N A-846417



MiniPID 2 Sensor (10.0 eV, 6-Pin)

Replacement PID sensor for the Tiger XT Select.

P/N MP6SX60XU2



Tiger XT Select Benzene Pre-Filter Tube (Pack of 10)

Pre-filter tubes for selective benzene measurements with the Tiger XT Select. Supplied in a box of 10 tubes.

P/N 861614



Tiger XT Select Benzene Tube Boxes (Pack of 10)

Tiger XT Select benzene pre-filter tubes - pack of 10 boxes, each containing 10 tubes (100 tubes total)

P/N A-861626



Tiger XT Select Benzene Tube Boxes (Pack of 50)

Tiger XT Select benzene pre-filter tubes – pack of 50 boxes, each containing 10 tubes (500 tubes total)

P/N A-861627

Technical Specifications

Minimum sensitivity (PPM model)	Standard running mode: 0.1 ppm TAC mode: 0.01 ppm Tube mode 0.01 ppm (res. 0.001 ppm)		
Minimum sensitivity (PPB model)	Standard running mode: 0.001 ppm TAC mode: 0.001 ppm Tube mode: 0.01 ppm (res. 0.001 ppm)		
Maximum reading**	Standard mode up to 20,000 ppm or 20,000 mg/m³* Tube mode 200 ppm or 639 mg/m³ benzene		
Response time	130 seconds at 20 °C (variable) Progressive indication of benzene breakthrough is displayed in real time		
Accuracy***	±10% display reading or ± one digit Benzene (tube mode)		
Intrinsically safe approvals	Ⓔx II 1G Ex ia IIC T4 Ga Class 1 Division 1 Groups A, B, C & D, T4	Tamb = -25 °C ≤ Ta ≤ +45 °C (with lithium ion battery pack) Tamb = -25 °C ≤ Ta ≤ +40 °C (with alkaline battery pack)	IECEx SGS 25.0002X SGS25ATEX0003X SGS25UKEX0004X SGSNA/25/CA/00001X
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	10.0 eV Krypton PID lamp and 10.0 eV electrode stack		
Data logging*	120,000 data log points including date and time stamp		
Communication	Direct USB 1.1		
Calibration	2 and 3 point calibration (via calibration kit accessory)		
Alarm	Flashing LEDs Amber (low alarm) Red (high alarm) Sounder 95 dBA at 300 mm (12 ") Vibration on alarm Pre-programmed TWA and STEL*		
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		

*Model and gas dependent.
**Maximum reading is achieved with certain analytes such as ethanol.
***All specifications quoted are at calibration point and under the same ambient conditions.
Specifications are based on Benzene calibrations at 20 °C and 1000 mBar.
This publication is not intended to form the basis of a contract and specifications can change without notice.

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