

TIGER XT SELECT

Pioneering Gas Sensing Technology.
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Tiger XT Select



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

Ultimate Performance

Utilizing 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 is supplied with a pack of benzene pre-filter tubes to detect benzene selectively. The tube can be easily attached to ensure rapid detection and selective measurement of benzene. Throughout the measurement process, Tiger XT Select benzene gas detector continuously displays real time data. Tiger XT Select can also provide 15 minute short term exposure limits (STELs) and 8 hour time weighted averages (TWAs) for Total Aromatic Compounds (TACs).

The Tiger XT Select 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 the 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"))

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



Tiger XT Select Features



Basic & Advanced Modes

For simplicity and ease of use, the Tiger XT Select has been split into two, user-friendly modes: **Basic** & **Advanced**. Basic mode is designed to only offer the core functions for the detection of benzene and other TACs. In advanced mode, all operational modes are available including standard running, TAC and Tube mode.

Typical Applications

Typical applications for the Tiger XT Select include: Confined Space Entry, Plant Maintenance, Marine Down-Stream Monitoring, Hazardous Material Response, TAC detection at loading docks and barge operations.

5 Year Extended Warranty

The Tiger XT Select 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

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 68°F (variable) Progressive indication of benzene breakthrough is displayed in real time

Accuracy***
- ± 10% display reading ± one digit Benzene (tube mode)

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

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

Lamps
- 10.0 eV Krypton PID lamp

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: -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

*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 68°F and 1000mBar
Tiger XT Select V1.0 This publication is not intended to form the basis of a contract and specifications can change without notice.

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