



Tiger Handheld VOC Detector

DOD Technologies

Tiger is the most advanced handheld VOC detector on the market with the widest measurement range, accurately detecting gases down to ultra low ppb levels up to 20,000 ppm. This device has the fastest response time of just two seconds and is as quick to clear down. Its internal gas table contains over 700 response factors.

This handheld VOC gas detector by Ion Science incorporates patented photoionization detection (PID) sensor technology with humidity resistance and anti-contamination design, proven to dramatically extend run time in the field.



MICROSCOPIC



DETECTION

LONG



BATTERY LIFE

EASILY



PORTABLE

WITHSTANDS



**HARSH
ENVIRONMENTS**

Key Features & Benefits

Best available photoionization (PID) detection sensor

- PID independently verified as best performing on the market
- Humidity resistance and anti-contamination design
- Dynamic range ppb to 20,000ppm
- Fast response time and clear down
- Internal gas table with over 700 VOCs and toxic compounds

Minimize downtime

- Fast startup with no complicated setup
- Battery life up to 24 hours of continual use
- Simple icon driven menu requires minimal user training
- Direct USB connectivity for fast data download
- Easily upgrade your instrument via the web 24/7

Ease of use

- Intuitive, easy-to-use software
- Easy access sensor, electrode stacks and lamps
- Large, clear keypad and slim design allows one handed operation
- Keypad backlit in low-light conditions

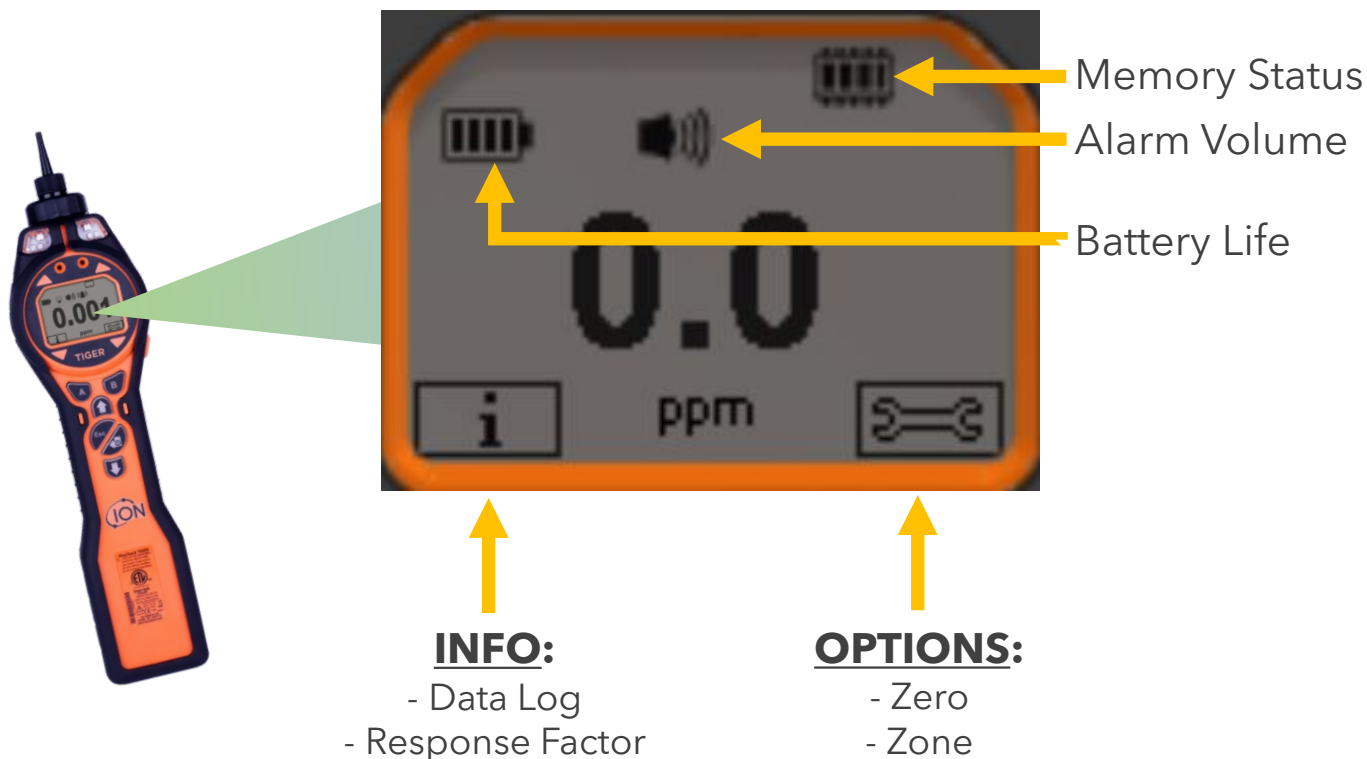
Safety

- Accurate results in all environmental conditions
- Intrinsically Safe; meets ATEX, IECEx, and North American and Canadian standards

Low cost

- Inexpensive consumables and parts
- 5-year warranty when instrument registered online

Easy To Use & Navigate



Premium Kit

- **Tiger Instrument with Rubber Boot**
- **Rechargeable Battery (Li-ion)**
- **Battery Charger**
- **Mains Adaptor**
- **Rugged Case**
- **Carbon Zero Filter Assembly**
- **Calibration Adaptor**
- **PTFE Filter Discs**
- **Removal Tool MiniPID Stack**
- **PID Lamp Cleaning Kit**
- **Lanyard**
- **USB Cable**
- **Quick Start Guide**



Applications

- **Environmental Monitoring**
- **Soil Contamination Detection**
- **VOCs in Landfill**
- **IAQ Measuring Industrial Volatiles**
- **Leakage in Fuel and Chemical Storage**
- **Health & Safety**
- **STEL & TWA Monitoring**
- **Confined Space Entry**
- **First Response (Screening)**
- **Wing Tank Entry**
- **VOC Leak Detection**
- **Fumigation Gases**
- **Fugitive Emissions**
- **Medical Gases in Hospitals**



Specifications

Model	PTXSLBMPP-0005 Tiger Rechargeable Battery - PPM / H&S / Data Logging
Minimum Resolution	0.1 ppb or 0.001 mg/m ³
Maximum Reading	20,000 ppm or 20,000 mg/m ³ (gas dependent)
Response Time	T90 < 2 seconds
Accuracy	5% display reading one digit
Linearity	5% display reading one digit
Intrinsically Safe Approvals	<ul style="list-style-type: none"> • II 1G Ex ia IIC T4 Ga • Tamb = -15°C ≤ Ta ≤ 45°C (with Lithium-ion battery pack) • Tamb = -15°C ≤ Ta ≤ 45°C (with Alkaline battery pack) • ITS09ATEX26890X IECEx ITS 10.0036X • 3193491 conforms to UL Std. 913, 61010-1 & • Certified to CAN/CSA Std. C22.2 No. 61010-1 • Class I, Div 1 Groups A, B, C and D T4
Battery Life	<ul style="list-style-type: none"> • Li-ion: life up to 24 hours continual use • Alkaline: (Duracell Procell MN 1500) life up to 8.5 hours continual use
Lamps	<ul style="list-style-type: none"> • 10.6 eV Krypton PID lamp (standard) • 10.0 eV and 11.7 eV lamps available
Data Logging	Including date/time: 120,000 points
Communication	Direct USB 1.1 connection
Alarm	<ul style="list-style-type: none"> • Flashing LED and 95 dBA at 300 mm (12") audible sounder • Selectable vibrating alarm • Pre-programmed TWA and STEL • Pre-programmed with over 700 gases
Flow Rate	220 ml/min in ambient conditions (with blocked flow alarm)
Temperature	<ul style="list-style-type: none"> • Operating: -4°F to 140°F (-20°C to 60°C); non-Intrinsically Safe • Humidity: 0-99% RH (non-condensing)
Protection	<ul style="list-style-type: none"> • Designed to IP65 (heavy rain) • 1180 • EMC tested to EN61326-1:2006, EN50270:2006 & CFR 47:2008 Class A
Weight & Dimensions	<ul style="list-style-type: none"> • Instrument (with probe): 340 (w) x 90 (h) x 60 (d) mm (13.4 x 3.6 x 2.4") • Standard case: 367 (h) x 89 (w) x 90 (d) mm (14.45 x 3.54 x 2.36") • Instrument weight: 0.72 kg (1.56 lbs) • Packed weight: 5.5 kg (12 lbs)



REALIBILITY & SUPPORT

DOD Technologies is the global leader in low level gas detection systems and solutions. We understand the importance of keeping your business operational and know that that false alarms can cost millions of dollars in lost productivity.

In addition to our ChemLogic® systems, we've partnered with other leading manufacturers to establish a comprehensive line of high-quality, gas detection products. Our worldwide network of knowledgeable service engineers are also stand ready to assist you with their passion for gas detection. Our portfolio includes fixed systems, portable gas detectors, controllers, systems integration and on-site field services.

For more information, or to order, please visit us at DODtec.com.



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