

Photoionization Detector (PID)

Ion Science TIGER^{LT}

This variant of the hugely popular TIGER VOC detector is low on cost but high on performance. Its revolutionary, patented PID sensor technology with humidity resistance and anti-contamination design provide market leading accuracy and run time. Combined with 24 hour battery life, these features maximize field time by minimizing erroneous readings in high humidity and drift in harsh environments.

FEATURES

Best available photoionization detection sensor

- PID independently verified as best performing on the market
- Accurate results across all environments from 0.1-5000 ppm
- Patented humidity resistance to 99% RH – no compensation needed
- Anti-contamination design minimizes drift and extends run time
- Fastest 2 second response time and rapid clear down

Minimize downtime

- Anti-contamination design reduces calibration frequency
- Li-ion battery for up to 24 hours continuous operation
- 6.5 hours battery charge time maximizes uptime
- Batteries field replaceable, even in explosive environments
- Filters and lamps replaceable in minutes
- Simple icon driven menu requires minimal user training

Ease of use

- User selectable response factors for direct concentration readout
- Intuitive, easy to use software
- Large clear keypad for easy operation when wearing gloves
- Ergonomic design allows simple one handed operation
- Large, clear visual display
- Flash light and back-lit keypad for low light conditions
- Push-to-log data logging, 128 zones, 80,000 points
- Designed for easy service

Safety

- 95 dBA, bright LED and vibration alarms alert you to gases present
- Intrinsically safe; meets ATEX, IECEx, UL and CSA standards

Low Cost

- Entry level VOC detector with all the essential functions
- Inexpensive consumables and parts for low cost operation



TYPICAL APPLICATIONS

- Environmental monitoring
- Soil contamination
- VOCs in landfill
- IAQ
- Health & Safety
- Confined space entry
- First Response
- Wing tank entry
- VOC leak detection
- Fumigation gases
- Fugitive emissions
- Medical gases

CALL GEOTECH TODAY (800) 833-7958

Geotech Environmental Equipment, Inc.

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SPECIFICATIONS

Minimum Resolution*	0.1 ppm
Maximum Reading	5,000 ppm
Response Time	T90 <2 seconds
Accuracy*	±5% display reading ±one digit
Linearity*	±5% display reading ±one digit
Intrinsically Safe Approvals	II 1G Ex ia IIC T4 Ga Tamb = -15°C ≤Ta ≤+45°C (with lithium ion battery pack) Tamb = -15°C ≤Ta ≤+40°C (with alkaline battery pack) ITS09ATEX26890X IECEx ITS 10.0036X 3193491 conforms to UL Standard 913, 61010-1 Certified to CAN/CSA Std. C22.2 No. 61010-1
Battery Life	<i>Li-ion:</i> Life up to 24 hours continual use
Lamps	10.6 eV Krypton PID (standard.) 10.0 eV and 11.7 eV available
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	220 ml/min in ambient conditions (with blocked flow alarm)
Temperature	<i>Operating:</i> -20° to 60°C, -4° to 140°F (non-intrinsically safe) <i>Humidity:</i> 0-99% RH (non condensing)
Protection	Designed to IP65 (heavy rain) CE 1180 EMC tested to EN61326-1:2006, EN50270:2006 & CFR 47:2008 Class A
Weight & Dimensions (Instrument without probe)	340 W x 90 H x 67 D mm (13.4" W x 3.6" H x 2.4" D) Instrument weight 0.72 kg (1.56 lb.)

All specifications are against isobutylene calibration at 20°C, 90% RH and up to 3000 ppm unless otherwise stated.

*Gas dependant

WHAT'S INCLUDED

Tiger^{LT} Kit Contains:

- Tiger^{LT}
- Rechargeable Battery (Li-ion)
- Battery Charger and Mains Adaptor
- Rubber Boot
- Lightweight Carry Case
- PTFE Filter Disc (dust filter)
- Removal Tool mini-PID Stack
- Probe Tube (60mm)
- Sample Cleaning Compound Assembly
- Cleaning Buds
- Lanyard (wrist strap)
- USB Cable

Accessories

An extensive range of accessories is also available. For more information and prices contact Geotech.



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