

## PhoCheck Tiger

The PhoCheck Tiger VOC detector is a revolutionary hand held PID instrument for rapid, accurate detection of volatile organic compounds (VOCs). This instrument provides a dynamic detection range of 1 parts per billion (ppb) to 20,000 parts per million (ppm), offering the widest measurement range of any other VOC detector on the market. Its photo-ionisation detection (PID) capabilities utilise advanced patented Fence Electrode technology, a 3 electrode format with increased resistance to humidity and contamination.



### Specifications

#### Minimum Resolution

1 ppb or 0.001 mg/m<sup>3</sup>

#### Maximum Reading

20,000 ppm or 20,000 mg/m<sup>3</sup>

#### Accuracy

± 5% display reading ± one digit

#### Linearity

± 5% to 100 ppm

#### Data Logging

120,000 data log points including date and time stamp  
(33 hours at 1 log per second)

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### Applications

- Environmental Monitoring
- Soil Contamination Detection
- VOCs in Landfill Sites
- Indoor Air Quality Measuring Industrial Volatiles
- Health & Safety, STEL & TWA Monitoring in Confined Spaces
- General Leakage in Fuel and Chemical Storage
- General Atmosphere Monitoring for Tracing Chemicals
- Screening Tool for First Responders
- Fence Line Monitoring for Plume Detection
- Filter Monitoring in Clean Rooms and Air Conditioning
- VOC Leak Detection
- Early Screening of WMDs
- Testing for Accelerant Use
- Fuel Leakage in Automotive Manufacture
- Monitoring Tracer Gases for Fume / Glove Box Testing
- Medical Gases Within Hospitals
- Gas Line Leakage in Laboratories
- Fumigation Gases (such as Formaldehyde)
- Detecting Fugitive Emissions
- Environmental Clean Up After Spillage
- Filling Station Leakages
- Wing Tank Entry Detecting Low Levels of Jet Fuel
- Illegal Dumping of Chemicals