geotech

The Falco 2 is a high-performance continuous air monitoring instrument designed to detect volatile organic compounds (VOCs) in ambient air. Suitable for both permanent and semi-permanent installations, the Falco 2 offers reliable VOC detection in a variety of applications. Available in both diffusion and pumped configurations, it is capable of detecting total concentrations of over 700 VOCs. Its robust design and advanced sensing technology ensure accurate and precise measurements.

The Falco 2 seamlessly integrates with SCADA and telemetry systems through analog 4-20mA and Modbus RS485 protocols, providing flexibility for connection to control and monitoring systems. Additionally, two programmable relays enable the integration of external visual and audible alarms with normally open or normally closed contacts, enhancing situational awareness and response times.

FEATURES

- **Eliminates False Readings**: Patented Fence Electrode Technology and Anti Contamination Design is resilient to humidity and contamination from dust and particulate
- **High Visibility Status Indicator:** Live Readings & Instantaneous Alarms in Red, Amber, Green
- **Large Screen:** Displays live readings
- **IP65 Ingress Protection**: Can be installed indoor or outdoor
- **Broad Detectable VOC Range:** from 0.001 to 3000ppm

APPLICATIONS

- Chemical Storage Facilities
- Battery Manufacturing & Storage Locations
- TAC Refinery Monitoring
- Manufacturing
- Construction or Corrective Active Areas

CALL GEOTECH TODAY
(800) 833-7958

Geotech Environmental Equipment, Inc.
2650 East 40th Avenue Denver, Colorado 80205
(303) 320-4764   FAX (303) 322 7242
email: sales@geotechenv.com   website: www.geotechenv.com

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Technical Specifications

Sensor	Photoionization detector with 10.6eV and 10.0 eV lamp options
Range, Sensitivity	
10.6 eV	10 ppm, 0.001 ppm 50 ppm, 0.01 ppm 1000 ppm, 0.1 ppm 3000 ppm, 1 ppm
10.0 eV	50 ppm, 0.01 ppm
Response Time (T90)	**Pumped models:** <10 Seconds ** **Diffused Models:** <30 Seconds **
Accuracy	± 5% or ± 1 digit
User Interface	**OLED High Contrast White on Black:** 129 x 64 px **Screen Size:** 35 mm (w) x 175 mm (h)
Status Indicator	Bright visible status indicator - RED, AMBER, GREEN
Output	4 - 20 mA 2 programmable relays RS 485 Modbus
Operational Temp.	-20 ℃ to +50 ℃, 0-100% RH and condensing humidity
Storage Temp.	-20 ℃ to +60 ℃
Ingress Protection	**Main Unit:** IP65 **Sensor Head:** IP65
Power	**Working voltage:** 8 to 40 Vdc Typical 2 W, Max. 7 Watts
Mechanical Interface	2 x cable entry points with 3/4" NPT threads (left & right)
Mounting Points	2 x MB
Weight	**Pumped**: 2.9kg **Diffused:** 2.5kg
Dimensions	**Pumped**: 325(h) x 192(w) x 115(d) mm **Diffused**: 223(h) x 192(w) x 115(d) mm
EMC	EMC Directive 2014/30/EU
Certification	**ATEX:** II 2G Ex db ib IIC T4 Gb **IECEx**: Ex db ib IIC T4 Gb
Warranty	12 Months (Standard) 24 Months (Extended)