ToxiRAE PLUS PID

Light-weight, personal and compact VOC gas monitors with rechargeable battery providing Up to 10 hours of continuous operation.

The ToxiRAE Plus PID is the only personal PID in the world. It's small enough to fit in a pocket for on the fly monitoring of worker exposure to Volatile Organic Compounds (VOCs).

Highlights

- Small, weather-proof, light-weight (around 6 oz) and rugged, pocket size monitor

- Up to 10 hours of continuous operation

- Keys easily accessible even with gloves

- Large easy-to-read back-light display

- Easily changeable PID lamp and sensor

- Varying audio alarm signals for different alarm conditions

- Factory preset and user programmable alarms

- Protects from interference by portable radios (RFI)

- Provides 4,000 optional datalogging points of storage capacity for download to PC-compatible computers with Windows 98, 2000, NT, and XP

- STEL, TWA and Peak information for specific VOCs

- Simple calibration

Applications

- Worker Exposure/Permissible Exposure Limit (PEL) compliance

- Confined Space Entry

- Shipyard and maritime

- Land-fill operations

- Trenches, silos, railcars

- Waste water treatment plants

- Refineries and petrochemical plants, including offshore drilling and plant shut-downs

- Power plants

- Steel mills

- Pulp and paper industry

- Paint and coating operations

- Environmental clean-up

- Hazardous waste spills

Specifications

Sensor Specifications

Sensor	Range	Resolution	Response Time (T 90)
VOC	0-99.9 ppm	0.1 ppm	10 seconds
	100-2000 ppm	1 ppm	10 seconds

Detector Specifications

Size	6.0"L x 1.75"W x 1.0"H (15.2 cm X 4.4 cm x 2.5 cm)
Weight	6.4 oz with battery pack (180g)
Detector	Photo-ionization detector with 10.6 eV lamp standard, 9.8 eV and 11.7 eV optional
Battery	Rechargeable, 2.4 V, 1100 mAh, Ni-Cd battery pack or 2AA alkaline battery adapter for VOC monitor. Battery charger: 10 hours through charging station
Operating Hours	10 hours continuous operation
Display	8-digit LCD with LED back-light
Keypad	1 operation key and 2 programming keys
Attachments	Pocket/belt clip
Temperature	-4° to 113° F (-20° to 45° C) for VOC detectors
Humidity	0% to 95% relative humidity (non-condensing) for VOC detectors
Direct Readout	• VOCs as ppm by volume • Peak high and low values • STEL and TWA values for VOC gases • Battery and shut down voltage • Elapsed time
Alarms	90dB buzzer and flashing red LED to indicate exceeded limits: • High: 3 beeps and flashes per second • Low: 2 beeps and flashes per second • STEL and TWA: 1 beep and flash per second • Alarms latching with manual override or automatic reset • Additional diagnostic alarm and display message for low battery and pump stall
Intrinsic Safety	UL and c-UL Classified as to Intrinsic Safety for use in Class 1, Division 1, Groups A, B, C, and D hazardous locations and Eex ia IICT4
Calibration	Two-point field calibration for zero and span gas
Datalogging	Up to 4000 points downloadable to PC with serial number of unit, user ID, site number, calibration and check calibration time, date and value. Interval: 1-3,6000 seconds programmable

ToxiRAE Plus PID Accessories

ToxiRAE Plus VOC Monitor: PGM 30

ToxiRAE Plus VOC Datalogging Monitor: PGM 30-D

- Protective rubber boot with belt clip
- ToxiRAE Plus PID monitor with UV lamp as specified
- Rechargeable 2.4V, 1100m-Ah battery pack
- Single-unit charging station (computer interface optional)
- Battery charger
- Alkaline battery adapter
- Calibration adapter with tubing
- Operation and maintenance manual
- ProRAE 30 Software package for Windows (PGM-30D only)

Accessories

- Calibration kits with gas cylinder, flow regulator and tubing
- Manual hand-pump with 15' (5m) Tygon tubing for remote sampling
- 9.8 eV, 10.6 eV, and 11.7 eV lamps for VOC monitor
- Vibration alarm (pen size)
- Earphone alarm

Datalogging monitors (PGM-30D) also include:

- Software ProRAE Suite Package for Windows 98, NT, 2000 and XP
- Computer Interface cable

UL · cUL · Ex · CE · ISO 9001 CERTIFIED

DISTRIBUTED BY:

ToxiRAE PLUS