

Photo Ionization Detector PID

ToxiRae Plus PID

The ToxiRAE Plus PID is the world's first and only pocket-sized datalogging Photo-ionization Detector (PID). Its small size brings the "broad-band" capabilities of the PID/VOC detector to a personal level for 10 hours of continuous and instantaneous monitoring of volatile organic compounds (VOCs).

FEATURES

- **Small and light** enough to wear in a pocket for a full working shift of protection
- **The ToxiRAE Plus PID lamp and sensor comes apart in seconds for easy maintenance without any tools**
- **User friendly** screens make it easy to use for simple applications and flexible enough for sophisticated options
- **Measure more chemicals than with any other PID** with over 38 standard correction factors available and the largest printed of Correction Factors in the world (300+).
- The standard **rugged rubber boot** helps assure that the ToxiRAE Plus survives the bumps and knock of tough field use.
- **Large keys** operable with 3 layers of gloves
- **Easy-to-read display** with backlight
- **Store up to 67 hours of data**
- **Varying audio alarm signals** for different alarm conditions including STEL, TWA, and Peak



SENSOR SPECIFICATIONS

Gas Monitor	Range	Resolution	Response Time
VOC	0 - 99.9 ppm	0.1 ppm	5 sec
	100 - 2000 ppm	1 ppm	5 sec

SPECIFICATIONS

Size:	6" L x 1.75" W x 1" H (15.2 x 4.4 x 2.5 cm)
Weight:	6.4 oz with battery (180g)
Sensor:	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 2 AA 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
Keypads:	1 operation and 2 programming keys
Direct Readout	<ul style="list-style-type: none"> • VOCs as parts-per-million by volume • Peak high and low values • STEL and TWA values for VOC gases • Battery and shut down voltage • Elapsed time
Alarm	90dB buzzer and flashing red LED to indicate exceeded limits <ul style="list-style-type: none"> • High: 3 beeps and flashes/second • Low: 2 beeps and flashes/second • STEL and TWA: 1 beep and flash/second • Alarms automatic reset or latching with manual override • Additional diagnostic alarm and display message for low battery and pump stall
Datalogging	Optional 4,000 points downloadable to PC with serial number of unit, user ID, site number, calibration and check calibration time, date and value
Hazardous Area Approval	<ul style="list-style-type: none"> • US/Canada: UL, cUL, Classified as Intrinsically Safe for use in Class I Division 1, Groups A, B, C, D, Hazardous Locations T4 rating • Europe: EEx ia IIC T4
Temperature	-4° - 113°F (-20° - 45°C) for VOC detectors
Humidity	0 - 95% relative humidity (non-condensing)
Attachment	Pocket/belt clip
Warranty	Lifetime on non-consuming components (per RAE Standard Warranty), 1 year on sensor and consumable parts, 1 year battery

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