



PIDScan™ Series

Model PIDScan 100

Portable PID monitor for VOC measurement with humidity & temperature sensors for real-time compensation to provide accurate PID measurements



Special Features:

- Auto-range VOC measurements
- Multi-range from 1 ppm to 10,000 ppm
- PID sensor with built-in humidity and temperature sensors on board for real-time compensation and accurate readings
- Fast response and recovery during measurement
- Ex-approved for application in hazardous environment
- Health and safety mode as standard
- Large LCD display with backlight;
- Automatic and manual data-logging feature;
- Data-download to computer via USB cable;
- Comes with free interactive user-configurable software;
- Library with more than 250+ VOCs and their response factors;
- User customized input correction factors for desired VOCs;
- Interchangeable PID lamp; options for 9.8 eV, 10.6 eV (standard) and 11.7 eV lamp available;
- Upgraded to higher version.

Ultra perfection.

Riding on the achievements from legacy of precision and inner functionality.

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Specification:

| | | | PIDScan 120 | PIDScan 130 | PIDScan 150 |
|-----------------|---|------------------|-------------|-------------|-------------|
| Sensors | Type | Range | | | |
| | PID (10.6 eV) | 0 ppm-4000 ppm | ● | ● | ● |
| | | 0 ppm-10,000 ppm | ● | ● | ● |
| | | 0 ppb-10,000 ppm | ● | ● | ● |
| | * with Temperature and Humidity compensation on board | | ● | ● | |
| | * other lamps available on request | | ● | ● | |
| Response factor | Built-in library for up to 70 gases | | ● | ● | ● |
| | Gas library extended to 250+ gases | | ● | ● | ● |
| | Able to edit and customize response factor to new VOCs in library | | ● | ● | ● |
| Datalogging | User downloadable datalogger | | ● | ● | |
| Communication | PC to instrument via USB; PIDScan software for instrument configuration and data handling | | ● | ● | |
| Upgradeable | Able to upgrade to higher version of PIDScan series | | ● | ● | |

Common specification to all:

| | |
|----------------|---|
| Size | L182 mm x W90 mm (60 mm) x D52 mm |
| Weight | approx. 580 g |
| Measurement | LEL %LEL or %Vol |
| Pump | built-in; Standard tubing length 3 m; Up to 50 m length as user options. |
| Alarms | audible and visual alarm (95 dB and LEDs) high alarm (adjustable) low alarm (adjustable) STEL and TWA alarms (adjustable) additional diagnostic alarms alarm and display for low battery status low flow alarm vibrator alarm calibration due alarm |
| Calibration | Automatic 2-point field calibration for zero and span |
| Auto zero | Yes |
| Battery | rechargeable Li-ion battery pack drop-in charging cradle |
| Operation Time | Up to 16 hours continuous operation |

| | |
|-----------------|---|
| Display | Large LCD 128 x 64 pixels with backlight |
| Keypad | Three tactile button operation |
| Readout | Instantaneous and simultaneous for 5 gas values TWA and STEL values for VOC, Toxic 1 and 2 High and Low values for all gases Next calibration date Real-time dock Battery status |
| Tagging | Add, remove and edit tags on measurements |
| Op. Temperature | -20 deg C to +50 deg C |
| Op. Humidity | 0%RH to 95%RH (non-condensing) |
| Approval | Ex ib d IIC T4 (pending) |
| IP rating | IP65 |
| EMI/RFI | Compliance to EN 50270 (pending) |
| Communication | PC 1 |

The above specifications are correct as of the time of printing, subject to changes due to on-going product improvements.

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