

PIDScan™ Series

Model PIDScan 200

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 (Isobutylene calibrated)
- Wide detection range from 10 ppb to 20,000 ppm (gas dependent)
- Unique ceramic hollow cathode PID lamp, which is more stable and longer operating life than any convention PID lamp.
- With built-in humidity and temperature sensors on board for real-time compensation and accurate readings
- Fast response and recovery during measurement
- Large TFT colored display; comfortable reading even in low lighting
- Large data memory more than 60,000 records; for both automatic and manual log 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;
- GPS receiver (option) to allow measuring data to be assigned to specific location using the position data.
- Easy automatic calibration using smart processor.



Ultra perfection.

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

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Specification:

Sensors	Type	Range
	PID (10.6 eV)	0 ppm-20,000 ppm full range (gas dependent) * 10 ppb or 0.01 ppm resolution for range 0.00 - 20.00 ppm (+/- 2% accuracy) 0.1 ppm resolution for range up to 100.0 ppm (+/- 2% accuracy) 1 ppm resolution for range up to 20,000 ppm (+/- 5% accuracy)
		* with Temperature and Humidity compensation on board
Response factor	Built-in library for more than 250 selectable gases Able to edit and customize response factor to new VOCs in library	
Datalogging	User downloadable datalogger	
Memory	more than 60,000 measurement data with time, temperature, humidity and position log (unless with GPS option)	
Communication	PC to instrument via USB; GDS-Scan software for instrument configuration and data handling	
Upgradeable	Able to upgrade to higher version of PIDScan series	

Common specification to all:

Size	L175 mm x W100 mm x D37/47.5 mm
Weight	approx. 500 g
Measurement	ppm
Response time	T90 < 3 sec
Pump	built-in; approx. 300 ml/min with "pump block" function
Alarms	audible and visual alarm (95 dB and LEDs) high alarm (user settable) low alarm (user settable) STEL and TWA alarms (user settable) additional diagnostic alarms alarm and display for low battery status low flow (or pump block) alarm vibrator alarm calibration due alarm
Calibration	Automatic 2-point field calibration for zero and span
Auto zero	Yes
Battery	Rechargeable Li-ion polymer battery pack Charging via micro-USB connection at te computer or wall adaptor
Run/Charging time	Up to 12 hours continuous operation / less 4 hours with micro-USB charger
Program functions	Continuous measurement with automatic and manual storage, Threshold monitoring Two-point calibration Fresh-air automatic calibration Graphical illustration of measured data

Display	Large LCD 128 x 64 pixels with backlight
Keypad	Three tactile button operation
Readout	Instantaneous VOC gas values TWA and STEL values for VOC readings High and Low values Next calibration date Real-time clock Battery status
GPS	GPS receiver built-in (option)
Op. Temperature	0 deg C to +50 deg C
Op. Humidity	0%RH to 95%RH (non-condensing)
Approval	CE mark
IP rating	IP54
EMI/RFI	Compliance to 2004/108/EC
Communication	PC connectivity via USB and docking station using GDS-Scan PC software

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

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