

VOC-TRAQ® II

HAND-HELD TOTAL VOLATILE ORGANIC COMPOUND DETECTOR



Applications

- Cleanrooms
- Work Environments
- Leak Detection
- Public Places
- Educational Facilities
- Research & Development

Toxic gas detection using a photoionization detector (PID) for non-flammable applications

Designed for ease of use, whether you are an air quality consultant, safety engineer, maintenance manager, or just concerned about total volatile organic compound (TVOCs) in your environment, the VOC-TRAQ II detector is an excellent way to monitor and record PID detectable TVOCs.

Based on the latest Baseline piD-TECH® eVx™ photoionization sensor, the VOC-TRAQ II is both compact and economical. It has no moving parts and operates using the simplicity of diffusion, yet still offers a fast response time. Eight (8) different detection levels between two lamp energies offer a broad range of detection capabilities.

The VOC-TRAQ II consists of a cylindrical housing equipped with a mini-B USB port. The PID and associated electronic circuits are located inside the housing. Slotted openings in the cap serve as an entrance for target gases.

The VOC-TRAQ II functions using a PC with a Windows® operating system or in a stand-alone mode using an external USB power supply. Internal memory allows it to store up to 36,000 sample readings at user selectable time intervals. Includes programmable alarm levels with graduated visual and audible signal that is proportional to the VOC concentration detected. A three-color LED displays concentration alarms.

The included VOC-TRAQ II PC software allows for an easy calibration routine, setup parameters and a graphical display of data.

Features & Benefits

- Easy to use
- Compact design
- Broad range of VOC detection capabilities
- Simple setup and calibration
- Programmable alarm levels with
 - LED and audible alarm indication
- Stores up to 36,000 sample readings
- Rechargeable external power supply (optional)
- PC with Windows® OS compatible

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DATA SHEET

Specifications

Gases Monitored	Volatile Organic Compounds (VOCs) w/ ionization potentials (IP) of < 10.6 eV Contact MOCON-Baseline for complete ionization potential list.						
Sensor	User replaceable MOCON-Baseline piD-TECH eVx shielded photoionization detector						
Lamp Energy	10.6 eV or 10.0 eV						
Sensor Ranges & MDQs (Isobutylene)	10.6eV	Green	Purple	Red	Yellow	Blue	
	Part Number	043-734	043-735	043-736	043-737	043-738	
	Range*	10,000 ppm	2,000 ppm	200 ppm	20 ppm	2 ppm	
	MDQ*	500 ppb	100 ppb	10 ppb	1.5 ppb	0.5 ppb	
	10.0 eV	Purple	Red	Yellow			
	Part Number	043-739	043-740	043-741			
	Range*	6,000 ppm	600 ppm	60 ppm			
	MDQ*	500 ppb	50 ppb	5 ppb			
							
	* Ranges are from ambient air measurements. Minimum Detectable Quantity (MDQ) is based on a 3:1 signal to noise ratio.						
Operating Temperature	-20 °C to 60 °C (-4 °F to 140 °F)						
Operating Humidity Range	0 - 90% relative humidity, non-condensing						
Humidity Response	≤ 1% @ 90% relative humidity						
Humidity Quenching Effect	< 15% @ 90% relative humidity						
Response Time (dry isobutylene response)	T90: < 2 seconds (typical) green, purple, and red. < 4 seconds (typical) yellow and blue.						
Accuracy	± 3% of reading, w/ constant temperature and pressure						
Internal Memory	2 Mb EEPROM memory stores up to 36,000 readings						
Sample Frequency Interval	Programmable, user selectable sample interval frequency from 0.1 sec						
Output	USB						
Power	USB 5 VDC power for operation [PC, wall connected USB power supply (5.0 VDC, 40 mA) , or optional battery pack]						
Calibration	Software controlled						
Computer Requirements	Microsoft® Windows® 10 / 8 / 7 / Vista™ PC or equivalent via USB, 2.0 or greater						
Dimensions	1" dia. x 3.6" L (2.5 cm dia. x 9.1 cm L)						
Weight	1.9 oz (53.7 g)						
Warranty Period	18 months						

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Included Accessories

- USB cable, 2.0 to mini-B
- VOC-TRAQ® II PC software

Optional Accessories

- P/N 043-126 Device Stand
- P/N 043-131 Battery Pack, rechargeable, 24 hrs
- P/N 043-136 Calibration Cap w/ tube
- P/N 043-189 Carrying Case
- P/N 042-246 piD-TECH eVx Lamp Cleaning Kit
- P/N 043-271 piD-TECH eVx Maintenance Kit



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