

# VOC-TRAQ® II FLOW CELL PORTABLE TOXIC GAS DETECTOR



## Direct Sample Connection from Targeted Area Allows for Remote VOC Monitoring

The AMETEK MOCON - Baseline VOC-TRAQ® II Flow Cell incorporates the VOC-TRAQ® II with a flow-through housing, enabling total volatile organic compound (TVOC) measurement with an inlet and outlet flow path for remote sample delivery. This unit allows for controlled sample delivery when used in conjunction with a pressurized source or pump.

The VOC-TRAQ II Flow Cell provides the ability to remotely monitor and record the presence of total volatile organic compounds using a PC with Windows-based OS software. The acute sensitivity of this device is provided by the piD-TECH® eVx photoionization detector.

The dynamic range of this instrument is 0 ppm to 10,000 ppm with MDQs (minimum detectable quantities) of 0.5 ppb to 1,500 ppb depending on piD-TECH eVx sensor selection (see reverse side for more specifics).

The VOC-TRAQ software is compatible with Windows®-based PC's 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 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.

Designed for ease of use whether you are an air quality consultant, safety engineer, maintenance manager, or just concerned about TVOCs in your indoor environment.

**mocon**<sup>®</sup>  
BASELINE

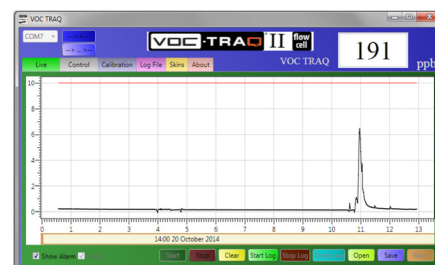
**AMETEK**<sup>®</sup>  
PROCESS & ANALYTICAL INSTRUMENTS

## Applications

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

## Features & Benefits

- Easy to use
- Compact design
- Reliable & Accurate
- PID based for maximum sensitivity
- Broad range of VOC detection capabilities
- Simple setup and calibration
- Programmable alarm levels with
  - LED and/or audible alarm indication
- Stores up to 36,000 sample readings
- USB powered / rechargeable power supply
- PC with Windows® OS compatible




Screen Shot from VOC-TRAQ II Flow Cell software depicting dynamic data display.

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DATA SHEET

## Specifications

<b>Gases Monitored</b>	Volatile Organic Compounds (VOC's) w/ ionization potentials (IP) of < 10.6 eV Contact MOCON-Baseline for complete ionization potential list.					
<b>Sensor</b>	User replaceable MOCON-Baseline piD-TECH eVx shielded photoionization detector					
<b>Lamp Energy</b>	10.6 eV or 10.0 eV					
<b>Sensor Ranges &amp; MDQs (Isobutylene)</b>	<b>10.6 eV</b>	<b>Green</b>	<b>Purple</b>	<b>Red</b>	<b>Yellow</b>	<b>Blue</b>
	<b>Part Number</b>	043-734	043-735	043-736	043-737	043-738
	<b>Range*</b>	10,000 ppm	2,000 ppm	200 ppm	20 ppm	2 ppm
	<b>MDQ*</b>	500 ppb	100 ppb	10 ppb	1.5 ppb	0.5 ppb
	<b>10.0 eV</b>	<b>Purple</b>	<b>Red</b>	<b>Yellow</b>		
	<b>Part Number</b>	043-739	043-740	043-741		
	<b>Range*</b>	6,000 ppm	600 ppm	60 ppm		
	<b>MDQ*</b>	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.					
<b>Operating Temperature</b>	-4 to 104 °F (-20 to 40 °C)					
<b>Operating Humidity Range</b>	0–90% relative humidity, non-condensing					
<b>Humidity Response</b>	≤ 1% @ 90% relative humidity					
<b>Humidity Quenching Effect</b>	< 15% @ 90% relative humidity					
<b>Response Time</b>	T90: < 10 seconds (dry isobutylene response)					
<b>Accuracy</b>	± 3% of reading, with constant temperature and pressure					
<b>Internal Memory</b>	2 Mb EEPROM memory stores up to 36,000 readings					
<b>Sample Frequency Interval</b>	Programmable, user selectable sample interval frequency from 0.1 sec					
<b>Output</b>	USB					
<b>Power</b>	USB 5 VDC power for operation [PC, wall connected USB power supply (5.0 V DC, 40 mA) , or optional battery pack]					
<b>Calibration</b>	Software controlled					
<b>Computer Requirements</b>	Microsoft® Windows® 10 / 8 / 7 / Vista™ PC or equivalent via USB, 2.0 or greater					
<b>Dimensions</b>	1.4" diam. x 5.8" L (3.56 cm diam. x 14.73 cm L)			<b>Inlet / Outlet Ports</b>	1/4 - 28 UNF sample inlet/outlet ports. Supplied with Cheminert® flangless nuts & collapsible ferrule (1/16" OD)	
	<b>Weight</b>	5.0 oz (141.75 g)			<b>Inlet Pressure</b>	0 to 60 psig
<b>Warranty Period</b>	18 months			<b>Inlet Flow</b>	0 to 300 cc/min.	

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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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