

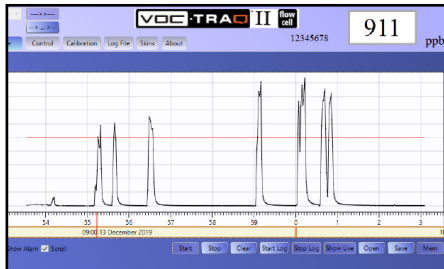


# **BASELINE® VOC-TRAQ®** **TOTAL VOLATILE ORGANIC COMPOUND DETECTORS**

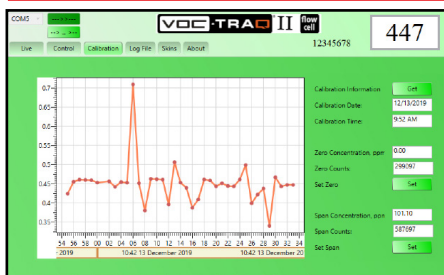


Toxic Gas Detection Using a Photoionization Detector

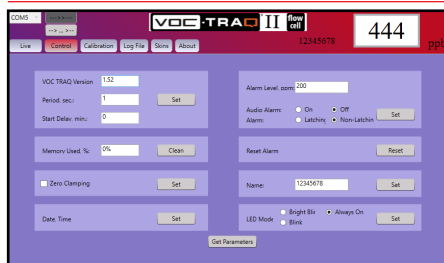
# BASELINE® VOC-TRAQ® TOTAL VOLATILE ORGANIC COMPOUND DETECTORS



Concentration Screen



Calibration Screen



Control Screen

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, MOCON's Baseline® VOC-TRAQ® detectors are an excellent way to monitor and record PID detectable TVOCs.

Based on the latest Baseline® piD-TECH® eVx™ photoionization sensor, the VOC-TRAQ is both compact and economical. It has no moving parts and operates using the simplicity of diffusion, yet still offers a fast response time. Five (5) different detection levels between two lamp energies offer a broad range of detection capabilities.

The VOC-TRAQ 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® Flow Cell incorporates the Baseline® 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 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.

## Unlimited Applications

- Cleanrooms
- Work environments
- IAQ consultation
- Leak detection
- Educational facilities
- Research & development

## 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
- PC with Windows® OS compatible

## Included Accessories

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

## Optional Accessories

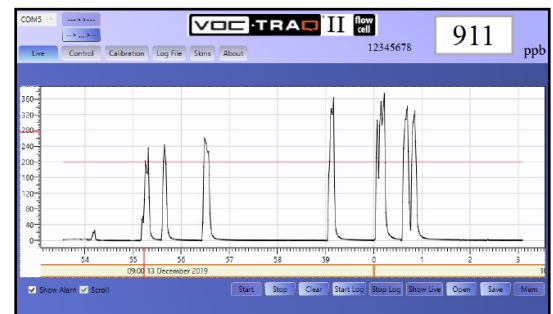
- P/N 043-126 - Device Stand
- P/N 043-131 - Battery Pack, rechargeable, 24 hrs
- P/N 043-136 - Calibration Cap w/ tube
- P/N 043-189 - Carrying Case
- P/N 043-271 - piD-TECH eVx Maintenance Kit

# BASELINE® VOC-TRAQ® II TOTAL VOLATILE ORGANIC COMPOUND DETECTOR

PRODUCT BROCHURE



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.



Concentration Screen

## Operating Specifications



**Green**  
Part No: 043-734  
Range: 10,000 ppm  
MDQ: 500 ppb



**Purple**  
Part No: 043-735  
Range: 2,000 ppm  
MDQ: 100 ppb



**Red**  
Part No: 043-736  
Range: 200 ppm  
MDQ: 10 ppb



**Yellow**  
Part No: 043-737  
Range: 20 ppm  
MDQ: 1.5 ppb



**Blue**  
Part No: 043-738  
Range: 2 ppm  
MDQ: 0.5 ppb

## Operating Specifications

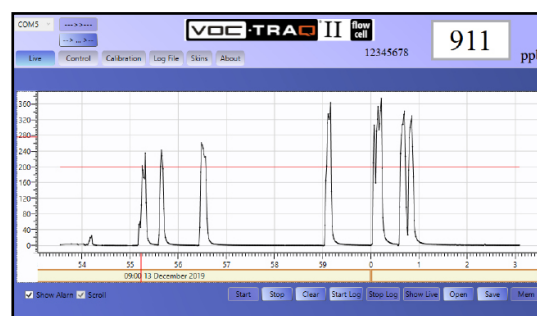
<b>GASES MONITORED</b>	Volatile Organic Compounds (VOC's) w/ ionization potentials (IP) of 10.6 eV Contact Mocon for complete ionization potential list
<b>SENSOR</b>	User replaceable, Baseline piD-TECH eVx shielded photoionization detector
<b>LAMP ENERGY</b>	10.6 eV
<b>OPERATING TEMPERATURE</b>	-20 C to 60 C (-4 F to 140 F)
<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>	T 90: < 2 seconds (typical) green, purple, and red < 4 seconds (typical) yellow and blue
<b>ACCURACY</b>	+ 3% of reading, w/ 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 VDC, 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>WEIGHT</b>	1.9 oz (53.7 g)
<b>DIMENSIONS</b>	1" dia. x 3.6" L (2.5 cm dia. x 9.1 cm L)
<b>WARRANTY PERIOD</b>	18 months

# BASELINE® VOC-TRAQ® II FLOW CELL TOTAL VOLATILE ORGANIC COMPOUND DETECTOR

PRODUCT BROCHURE



The VOC-TRAQ® Flow Cell incorporates the Baseline® 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.



Concentration Screen

## Operating Specifications



**Green**  
Part No: 043-743  
Range: 10,000 ppm  
MDQ: 500 ppb



**Purple**  
Part No: 043-950  
Range: 2,000 ppm  
MDQ: 100 ppb



**Red**  
Part No: 043-951  
Range: 200 ppm  
MDQ: 10 ppb



**Yellow**  
Part No: 043-952  
Range: 20 ppm  
MDQ: 1.5 ppb



**Blue**  
Part No: 043-953  
Range: 2 ppm  
MDQ: 0.5 ppb

## Operating Specifications

<b>GASES MONITORED</b>	Volatile Organic Compounds (VOC's) w/ ionization potentials (IP) of 10.6 eV Contact Mocon for complete ionization potential list	
<b>SENSOR</b>	User replaceable, Baseline piD-TECH eVx shielded photoionization detector	
<b>LAMP ENERGY</b>	10.6 eV	
<b>OPERATING TEMPERATURE</b>	-4 C to 104 C (-20 F to 40 F)	
<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>	T 90: < 10 seconds (dry isobutylene response)	
<b>ACCURACY</b>	+ 3% of reading, w/ 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 VDC, 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	<b>INLET/OUTLET PORTS</b> 1/4 - 28 UNF sample inlet/outlet ports. Supplied with Cheminert flanges nuts & collapsible ferrule
<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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