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

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

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

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Range*</th>
<th>MDQ*</th>
</tr>
</thead>
<tbody>
<tr>
<td>043-734</td>
<td>10,000 ppm</td>
<td>500 ppb</td>
</tr>
<tr>
<td>043-735</td>
<td>2,000 ppm</td>
<td>100 ppb</td>
</tr>
<tr>
<td>043-736</td>
<td>200 ppm</td>
<td>10 ppb</td>
</tr>
<tr>
<td>043-737</td>
<td>20 ppm</td>
<td>1.5 ppb</td>
</tr>
<tr>
<td>043-738</td>
<td>2 ppm</td>
<td>0.5 ppb</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Range*</th>
<th>MDQ*</th>
</tr>
</thead>
<tbody>
<tr>
<td>043-739</td>
<td>6,000 ppm</td>
<td>500 ppb</td>
</tr>
<tr>
<td>043-740</td>
<td>600 ppm</td>
<td>50 ppb</td>
</tr>
<tr>
<td>043-741</td>
<td>60 ppm</td>
<td>5 ppb</td>
</tr>
</tbody>
</table>

### 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, with 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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