

# Personal PID Monitor

## *Ion Science Cub*

The Ion Science Cub is the world's smallest, lightest personal PID monitor for the accurate detection of volatile organic and total aromatic compounds. With market leading parts-per-billion (ppb) sensitivity, Cub gives an indication of harmful gases including benzene before they reach levels which are harmful.

Cub is available in three distinct variants; ppm, ppb and TAC mode. Choose a ppb or ppm instrument with 10.6 eV lamp for accurately detecting a wide range of VOCs dependent on your sensitivity requirements. CubTAC with 10.0 eV lamp gives accurate detection of total aromatic compounds (TACs) down to ppb levels.

### FEATURES

#### Best available photoionization (PID) detection

- PID independently verified as best performing on the market
- Unrivaled sensitivity detects down to ppb levels
- Widest range detects gases 1 ppb – 5,000 ppm
- Built-in humidity resistance with no need to compensate
- Anti-contamination design for extended field operation
- Measures 480 selectable compounds (10.6 eV lamp)

#### Safety

- Fastest (<13 second) response to hazardous gases & vapors
- Clear audio, visual and vibrating alarms
- Large LCD display for clear readings
- Longest battery life (16 hours)
- Meets ATEX, IECEx (US & Canadian certification pending)

#### Ease of use

- Smallest, lightest personal PID monitor available
- Simple one button operation
- Intuitive software and simple calibration routine
- Easy to service
- Easily upgrade your instrument

#### Low cost operation

- Inexpensive consumables and parts
- Free 2 year warranty when instrument is registered online



### APPLICATIONS

- Industrial hygiene
- Chemical and petrochemical plants
- Oil & gas
- Pharmaceuticals
- Health & safety
- Hazardous materials
- First response
- Environmental

**CALL GEOTECH TODAY (800) 833-7958**

**Geotech Environmental Equipment, Inc.**

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## Ion Science Cub

### SPECIFICATIONS

<b>Sensitivity</b>	0.001 ppm (isobutylene equivalent)* 0.002 mg/m <sup>3</sup> (isobutylene equivalent)*
<b>Accuracy</b>	±5% display reading + one digit
<b>Response Time</b>	<13 seconds (T90)
<b>Approvals</b>	Europe: ATEX: CE, Ex II 1G, Ex ia IIC T4; -20°C ≤ Ta ≤ 55°C IECEX: Ex ia IIC T4 -20°C ≤ Ta ≤ 55°C China: Ex ia IIC T4 -20°C ≤ Ta ≤ 55°C US and Canada: Certification pending
<b>Battery</b>	Battery life up to 16 hours Battery charge time 4 hours
<b>PID Lamp Options</b>	10.6 eV, 10.0 eV
<b>Data Logging</b>	30,000 readings
<b>Communication</b>	USB 2.0
<b>Alarm</b>	LEDs, audio and vibrate Sounder 95 dB Pre-programmed TWA & STEL. Work exposure alarm levels on all models.
<b>Temperature</b>	Operating: -20 to 55°C, -4 to 131°F Humidity Handling: Fence Electrode Technology
<b>Weight &amp; Dimensions</b>	111 g (3.91 oz.) 61 x 66 x 33 mm (2.4 x 2.6 x 2.2 in.)
<b>Resolution</b>	0.001 ppm
<b>Range</b>	ppm 0.1-5,000 ppm ppb 0.001-5,000 ppm TAC 0.01-5,000 ppm
<b>Calibration</b>	2 point calibration via docking station
<b>Upgradeable</b>	Upgrade ppm to ppb
<b>IP Rating</b>	Designed to IP65 (heavy rain)
<b>LCD Display</b>	Back lit multi-color
<b>Flow Rate</b>	N/A (no pump)
<b>Docking Station Options (Optional)</b>	Charge only Charge and USB communication Charge, USB communication and calibration

\*Model dependant  
Specifications can change without notice.



Ion Science Cub  
mounted on Optional Docking Station

### WHATS IN THE BOX

The box contains the instrument, Cal certificate, calibration cup and accessory kit (2 spare O rings and 2 filters).

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