

## THE SMALLEST AND LIGHTEST PID DETECTOR ON THE MARKET.

The Cub personal gas detector protects workers in environments containing VOCs: it's the smallest and lightest personal PID detector on the market.

Its resistance to humidity is unrivalled, and its unique anti-contamination design translates into accurate readings even in harsh environments.

The Cub is sensitive enough to detect down to ppb levels, and can alert users to dangerous VOC gases (including benzene) before they reach a hazardous level for workers: it's the perfect addition to the Tiger handheld VOC gas detector.



## TECHNICAL DATA

- Size:** 2.4 x 2.6 x 2.3 in. (6.1 x 6.6 x 5.9 cm)
- Weight:** 2.91 oz. (111g)
- Protection Class:** IP65
- Temperature:** -4 °F to 140 °F (-20 °C to 60 °C)
- Range:** 0-5,000 ppm
- Resolution:** ppm 0.1 ppm, ppb 0.001 ppm, TAC 0.01 ppm
- Accuracy:** ± 5% display reading ± one digit
- Response:** <13 seconds (T90)
- Sensitivity:** 0.001 ppm (isobutylene equivalent)
- Sensor type:** 10.6eV PID lamp (10.0eV available)
- Datalogging:** 30,000 reading
- Alarms:** Visual (LEDs), Audible (95 dB @ 300mm) and vibrating Pre-programmed TWA & STEL, Work exposure alarm levels on all models.
- Operating time:** 12 hrs, charging in 4 hrs
- Approvals:**  
ATEX II 1 G Ex ia IIC T4 Ga (-20°C ≤ Ta ≤ 55°C)  
Baseefa11ATEX0027 IECEx BAS 11.0014  
US and Canadian approvals: Class I, II and III, Division I, Hazardous (Classified) Locations
- Warranty:** 2 years



## CUB CHARGE STATION

The charge docking station includes a USB connection so you can transfer data to your computer.

Data is clearly displayed in a graphical and numerical format.

The software can be downloaded from the Ion Science website.

[www.ionscience.com/product-support/downloads/instrument-software](http://www.ionscience.com/product-support/downloads/instrument-software)

## There are three versions of the Cub:

- ppm with a 10.6 eV lamp for the 0.1-5,000 ppm range
- ppb with a 10.6 eV lamp for the 0.001-5,000 ppm range
- TAC: total aromatic compounds with a 10.6 eV lamp + 10.0 eV filter designed to detect benzene for the 0.01-5,000 ppm range

The ppm version can be upgraded to the ppb version.

