

CUB

Personal safety monitor for hazardous & toxic gases



The world's smallest, lightest, most sensitive personal PID monitor for hazardous and toxic compounds.

Cub is a personal photoionisation detection (PID) gas monitor for the fast, accurate detection of volatile organic and total aromatic compounds, keeping you safe within your working environment. With market leading parts-per-billion (ppb) sensitivity, Cub sets the standard in personal gas monitoring giving an early warning of exposure to hazardous gases, including benzene.

Comfortable and unobtrusive to wear, Cub is the smallest, lightest, personal PID gas monitor available. Cub has a dynamic range of 1 ppb to 5000 ppm, the widest on the market measuring 480 selectable compounds.

The Cub personal PID gas monitor is available as a standard instrument with 10.6 eV lamp for accurately detecting a wide range of volatile organic compounds (VOCs) to parts-per-million (ppm) levels. The CubTAC ppm variant with 10.0 eV lamp accurately detects total aromatic compounds (TACs), including benzene. Both models can be upgraded with parts-per-billion (ppb) sensitivity quickly and easily via our micro website.

When worker exposure exceeds pre-set limits the instrument's audible, vi-

brating and flashing LED alarms alert you to the gases present. Readings are displayed on its bright, back-lit LCD display with selectable data logging time.

Cub's PID sensor technology has been independently verified as best performing for speed, accuracy and humidity resistant operation. Its unique Anti-contamination and patented Fence Electrode Technology provide extended run time in the most challenging environments, giving you accurate results you can truly rely on.

CubDoc docking stations are also available for USB communication, charging and calibrating your instrument, dependent on your requirements.

The Cub personal PID gas monitor is part of the family of PID instruments to be used alongside the leading Pho-Check Tiger VOC detector, and the Tiger Select for total aromatic compounds (TACs) and benzene.

KEY FEATURES

- **PID independently verified as best performing on the market**
- **Unrivalled sensitivity detects down to ppb levels.**
- **Widest range detects gases 1 ppb – 5,000 ppm**
- **In-built humidity resistance with no need to compensate.**
- **Anti-contamination design for extended field operation**
- **Measures 480 selectable compounds (10.6 eV lamp)**
- **Fastest (<13 second) response to hazardous gases & vapours**
- **Clear audio, visual and vibrating alarms**
- **Large LCD display for clear readings**
- **Longest battery life (16 hours)**
- **Meets ATEX, IECEx (US & Canadian certification pending)**
- **Easy to Use - Smallest, lightest personal PID monitor available**
- **Simple one button operation**
- **Intuitive software and simple calibration routine**

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**SPECIFICATIONS** Specifications subject to change without notice

Sensitivity	0.001 ppm (isobutylene equivalent)* 0.002 mg/m ³ (isobutylene equivalent)*	Temperature	Operating: -20 to 55C, -4 to 131F Humidity handling: Fence Electrode Technology
Accuracy	±5% display reading + one digit	Weight	111g (3.91 oz)
Response Time	<13 seconds (T90)	Dimensions	61 x 66 x 33 mm (2.4 x 2.6 x 2.2")
Approvals	Europe: ATEX: CE, Ex II 1G, Ex ia IIC T4; -20C ≤ Ta ≤ 55 C IECEX: Ex ia IIC T4 -20C ≤ Ta ≤ 55 C China: Ex ia IIC T4 -20C ≤ Ta ≤ 55 C US and Canadian certification pending IP65; 50 ft. (15m) maximum tubing length	Resolution	0.01 ppm
Battery	Battery life up to 16 hours Battery charge time 4 hours	Range	ppm 0.1 - 5,000 ppm ppb 0.001 - 5,000 ppm TAC 0.01 - 5,000 ppm
PID Lamp Options	10.6 eV, 10.0 eV	Calibration	2 point calibration via docking station
Data logging	30,000 readings	Upgradeable	Upgrade ppm to ppb
Communication	USB 2.0	IP Ratings	Designed to IP65 (heavy rain)
Alarms	LEDs, audio and vibrate Sounder 95 dB Pre-programmed TWA & STEL. Work exposure alarm levels on all models.	LCD Display	Back lit multi-colour
		Flow Rate	N/A (no pump)
		Docking station	Charge only
		Options	Charge and USB communication Charge, USB communication and calibration



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