



CUB

PERSONAL VOC DETECTOR

Best available photoionization (PID) detection

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

Safety

- Fast (<13 seconds) 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, North American and Canadian standards

Easy of Use

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

Low Cost Operation

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



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REPSS, Inc.
Instrumentation Specialists



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 early warning of hazardous 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. Cub TAC with 10.0 eV lamp gives accurate detection of total aromatic compounds (TACs) down to ppb levels.

Small, compact and lightweight Cub is robust yet comfortable and unobtrusive to wear. Cub has a dynamic range of 1 ppb to 5000 ppm, the widest on the market measuring over 480 selectable compounds.

When worker exposure exceeds pre-set limits the instrument's audible, vibrating and flashing LED alarms alert you to the gases present. Readings are displayed in ppb and ppm on its bright, back-lit LCD display with selectable data logging time.



Upgradeable ppb sensitivity can be purchased quickly and easily. Cub docking stations are available for USB communication, charging and calibrating your instrument, dependent on your requirements.

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

Applications Include

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



Sensitivity

- 0.001 ppm (isobutylene equivalent) *
- 0.002 mg/m3 (isobutylene equivalent) *

Accuracy

- +/- 5% display reading +/- one digit

Response

- <13 seconds (T90)

Approvals

US and Canadian approvals: Class I, II and III, Division I, Hazardous (Classified) Locations

Battery

- Battery life up to 16 hours Battery charge time 4 hours

PID lamp options

- 10.6 eV, 10.0 eV

Data logging

- 30,000 readings Communication

- USB 2.0

Alarm

- LEDs, audio and vibrate Sounder 86 dB @ 300mm Pre-programmed TWA & STEL. Work exposure alarm levels on all models.

Temperature

- ATEX/IECEx: II 2G Ex d II B+H2 T4 Gb (-20 °C to +55 °C)

Weight and dimensions

- 111g (2.91 oz)
- 61 x 66 x 59 mm (2.4 x 2.6 x 2.3")

Resolution

- ppm 0.1 ppm
- ppb 0.001 ppm
- TAC 0.01 ppm

Range

- 0-5000 ppm

Calibration

- 2 point calibration via docking station

Upgradeable

- Upgrade ppm to ppb

IP rating

- Designed to IP65 (heavy rain)

LCD display

- Backlit multi colour

Flow rate

- N/A (no pump)

Cub Kits with Docking Stations	Description
CKPSXCAX-CH	Cub PPM (0.1 - 5000ppm) + Charge Dock
CKPSXCAX-WD	Cub PPM (0.1 - 5000ppm) + Data Dock
CKPSXCAX-WC	Cub PPM (0.1 - 5000 ppm) + Calibration Dock
CKBSXCAX-CH	Cub PPB (1ppb - 5000ppm) + Charge Dock
CKBSXCAX-WD	Cub PPB (1ppb - 5000ppm) + Data Dock
CKBSXCAX-WC	Cub PPB (1ppb - 5000ppm) + Calibration Dock
CKTSXCAX-CH	Cub TAC (10ppb - 5000ppm) + Charge Dock
CKTSXCAX-WD	Cub TAC (10ppb - 5000ppm) + Data Dock
CKTSXCAX-WC	Cub TAC (10ppb - 5000ppm) + Calibration Dock

Cub Instruments Only	Description
TCPSXCXX-X	Cub PPM (0.1 - 5000 ppm)
TCBSXCXX-X	Cub PPB (1 ppb - 5000 ppm)
TCTSCXX-X	Cub TAC (10 ppb - 5000 ppm)

Chargers/ Docking Stations Only	Description
CDSSXCAX-X	Cub Charge Docking Station
CDDSCAX-X	Cub Data Docking Station
CDASXCAX-X	Cub Calibration Docking Station

Upgrade Options	Description
CUBUPG-M2B	Software Upgrade PPM to PPB

* Model dependant



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Sensors and Access.	Description
A-846267	Electrode Stack PPB & 11.7eV (White)
A-846417	Electrode Stack 10.0eV (white with gold dot)
LA4TM600	10.6 eV Lamp
MP6SX6BXU2	MiniPID2 6-Pin 10.6eV
MP6SX60XU2	MiniPID2 6-Pin 10.0eV
846216	MiniPID Electrode Stack Removal Tool
846600	MiniPID Lamp Spring

Filters	Description
871026	PTFE Filter Membrane
A-871027	Cub Cap
5/OO-108	O-Ring (cub sensor cap-external)
5/OO-110	O-Ring (cub sensor cap-internal)

Service & Calibration*	Description
A-871205	Cub Accessory Kit
871200	Calibration Cup
A-31063	PID Lamp Cleaning Kit
44ES-248-100	100 ppm Isobutylene Cal Gas in 44L Ecosmart
70-0.5	0.5 LPM Fixed Flow Regulator with C-10 Fitting
75-DFR	Demand Flow Regulator with C-10 Fitting

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