

CUB 11.7 eV

PERSONAL VOC DETECTOR



CAPABLE OF DETECTING ACETYLENE,
METHANOL, FORMALDEHYDE AND MANY
MORE GASES.

ionscience.com

Pioneering Gas Sensing Technology.





THE WORLD'S SMALLEST, LIGHTEST, SENSITIVE PERSONAL PID MONITOR WITH A HIGH ENERGY OUTPUT TO DETECT EVEN MORE GASES

Cub 11.7 eV is the world's smallest, lightest personal PID monitor for the accurate detection of volatile organic compounds and other gases that require a higher energy output such as **acetylene, methanol** and **formaldehyde**. With market leading sub-ppm sensitivity, Cub 11.7 eV gives an early warning of hazardous gases, including benzene, before they reach levels which are harmful.

Small, compact and lightweight Cub 11.7 eV is robust yet comfortable and unobtrusive to wear. Cub 11.7 eV has a dynamic range of 0.5 ppm to 5,000 ppm.

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 ppm on its bright, back-lit LCD display with selectable data logging time.

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.

Industries

- Oil & Gas (Petrochemical processing)
- Manufacturing
- Pharmaceutical & Laboratory
- Government & Defence
- Consultancy

Applications

- Personnel Safety (Including Confined Space Entry)
- Industrial Hygiene
- Emergency Response
- Plant Shut Down & Turnaround





Unrivalled photoionisation (PID) detection

- PID independently verified as best performing on the market
- Unrivalled sensitivity detects down to sub-ppm levels
- Widest range detects gases: 0.5 – 5,000 ppm
- In-built humidity resistance with no need to compensate
- Anti-contamination design for extended field operation



Ultimate Safety

- Fast (<13 seconds) response to hazardous gases
- Clear audio, visual and vibrating alarms
- Large LCD display for clear readings
- Meets ATEX, IECEx and North American approval standards

Minimal Downtime

- Fast start up with no complicated set up
- Simple icon driven menu requires minimal user training
- Direct USB connectivity for fast data download
- Battery life up to 12 hours

Extend Your Warranty


Cub 11.7 eV warranty can be extended to up to 2 years if the instrument is registered online within one month of purchase. Visit the ION Science website to register your instrument.*

*Please refer to the warranty statement on the ION Science website.



Technical specifications

Approvals

-  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

Battery

- Battery life up to 12 hours
- Battery charge time 4 hours

Communication

- USB 2.0

Data Logging

- 30,000 readings

Alarm

- LEDs, audio and vibrate
Sounder 95 dB @ 300mm
Pre-programmed TWA & STEL
Work exposure alarm levels on all models.

Weight and dimensions

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

Calibration

- 2 point calibration via docking station

IP rating

- IP65¹ (heavy rain)

LCD display

- Backlit multi colour

Flow rate

- N/A (no pump)

PERFORMANCE	
	11.7 eV
Minimum Sensitivity	0.5 ppm (500 ppb) ^{2,4}
Maximum Reading (Range)	5,000 ppm ^{2,4,5}
Accuracy	± 12% of display reading ^{2,4}
Response Time T90 (s)	< 13 seconds ²
Lamp Lifetime	≥500 hours ³
Temperature Range	0°C to 55°C

Cub 11.7 eV V1.0 This publication is not intended to form the basis of a contract and specifications can change without notice.

¹ IP65 with PTFE filter fitted, IP64 without PTFE filter fitted.

² Specifications are based on isobutylene calibrations at 20 °C and 1000mBar. All specifications quoted are at calibration point and under the same ambient conditions.

³ Based on continuous running.

⁴ For indicative measurement only. Quoted accuracy achievable up to 2,000 ppm. For more accurate detection, calibration around concentration of interest is recommended.

⁵ Maximum reading is achieved with certain analytes

Manufactured by:

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Diensten van EURO-INDEX

EURO-INDEX is fabrikant, importeur en distributeur van diverse A-merken op het gebied van test- en meetinstrumenten. Daarnaast leveren wij een groot aantal diensten om het gebruik van deze instrumenten in uw bedrijfsvoering te optimaliseren. Dit omvat uiteraard onderhoud, reparatie en kalibratie van de instrumenten, maar ook kennisdeling via EURO-INDEX Academy en verhuur van instrumenten.

Geautoriseerd Service Centrum

EURO-INDEX b.v. is van alle vertegenwoordigde merken een Geautoriseerd Service Centrum. Dit betekent dat uw instrumenten worden behandeld door technici die zijn opgeleid door de fabrikant en beschikken over de juiste gereedschappen en software. Er worden uitsluitend originele onderdelen toegepast en de garantie van uw instrument, evenals de certificering (ATEX, EN50379, etc.) blijven intact.

Kalibratielaboratorium

Het laboratorium in Nederland beschikt over een RvA accreditatie naar EN-ISO/IEC 17025. Deze accreditatie geldt voor grootheden, zoals gespecificeerd in de scope bij accreditatienummer K105. RvA kalibratiecertificaten zijn internationaal geaccepteerd en is gelijkwaardig aan BELAC.



Mobiele Service

Naast de vaste kalibratielaboratoria in Zaventem en Capelle aan den IJssel beschikken wij ook over een laboratorium op wielen met de naam "Mobiele Service". Dit biedt vertrouwde service en kwaliteit, bij u voor de deur!

KWS®

KWS® is een uniek servicesysteem voor uw meetinstrumenten met periodiek onderhoud en kalibratie tegen vaste, lage kosten. Via een gratis webportal (mijnkws.be) heeft u altijd en overal beschikking over uw kalibratiecertificaten.

Verhuur van meetinstrumenten

- Uitgebreid assortiment
- Nauwkeurigheid aantoonbaar door actueel kalibratiecertificaat
- Deskundig advies
- Complete levering inclusief accessoires

EURO-INDEX Academy

- Trainingen, seminars en workshops
- Demonstratie- en instructievideo's
- Application notes



Servicebalie



Onderhoud, reparatie en kalibratie



Trainingen en seminars



Mobiele Service

Wijzigingen voorbehouden EURO-INDEX® VL 23001



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