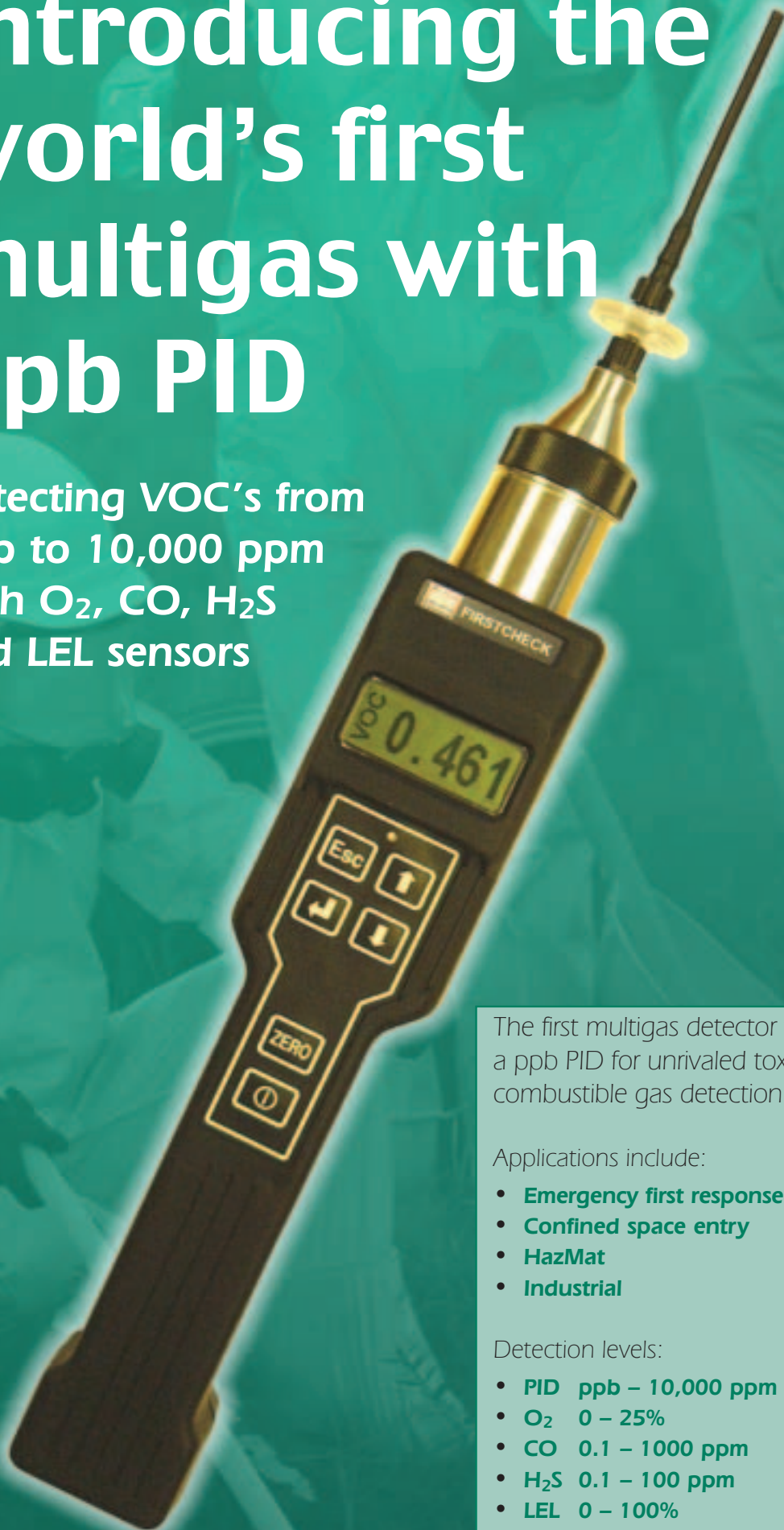


NEW

Introducing the world's first multigas with ppb PID

Detecting VOC's from ppb to 10,000 ppm with O₂, CO, H₂S and LEL sensors



The first multigas detector to include a ppb PID for unrivaled toxic and combustible gas detection.

Applications include:

- **Emergency first response (WMD)**
- **Confined space entry**
- **HazMat**
- **Industrial**

Detection levels:

- **PID ppb – 10,000 ppm**
- **O₂ 0 – 25%**
- **CO 0.1 – 1000 ppm**
- **H₂S 0.1 – 100 ppm**
- **LEL 0 – 100%**

FIRSTCHECK

FirstCheck – the first choice for safety

FirstCheck is the very first multigas to combine complete VOC and toxic gas detection from ppb up to 10,000 ppm with traditional multigas sensors for oxygen, hydrogen sulphide, carbon monoxide and explosive gas detection. Making FirstCheck the must have instrument for first responders and confined space entrants.

Technical Specification

DETECTOR

PID

New Ion Science Photoionisation Cell**
Fitted with New Fence Electrode technology**

- Greater measurement stability, accuracy and linearity
- Improved resistance of relative humidity effects

O₂ – electro-chemical sensor

CO – electro-chemical sensor

H₂S – electro-chemical sensor

LEL – catalytical (Pellistor) sensor

PID LAMP

10.6 eV Krypton PID lamp supplied as standard
Other lamps available

INTRINSICALLY SAFE APPROVALS

ATEX approval pending with BASEEFA (2001)

ACCURACY

±5% displayed reading at calibration point

LINEARITY

+/- 5%

DATA LOGGING

All sensors including date and time stamp

CALIBRATION

Via calibration kit accessory

OPERATION

Dry Cell: Alkaline 4 x AA: 11 hours. Rechargeable NIMH: 8 hours

ALARM

Flashing LED and 90 dBA (10cm) audible sounder
User set TWA and STEL
Pre-programmed 250+ gases and gas mixtures

INSTRUMENT RANGE

PID Maximum range: 1 ppb to 10,000 ppm

O₂ Maximum range: 0 – 25%

CO Maximum range: 0.1 – 1000 ppm

H₂S Maximum range: 0.1 – 100 ppm

LEL Maximum range: 0 – 100%

FLOW RATE

220 ml/min or 220 cc/mn with flow fail alarm

TEMPERATURE

Operating: -20 to 60°C, -13 to 140°F
Humidity: 0-99% RH (non condensing)

WEIGHT & DIMENSIONS

Instrument without probe

340 mm (13.5") L x 60 mm (2.3") W x 49 mm (1.9") H

Case 420 mm (16.5") x 320 mm (12.5") x 97 mm (3.8")

Instrument 0.615kg – 1.36lb. Packed 3.045kg – 6.7lb

ION SCIENCE is ISO9001:2000 certified (December 2003)



All specifications are against isobutylene 100 ppm in air calibration at 20°C and 90% RH.

** Patents pending

FirstCheck's unique, highly sensitive photoionisation detector (PID) enables the detection of many gases that are toxic at low ppb levels and are undetectable by traditional multigas instruments. Traditionally two to three instruments are needed to ensure workers safety now FirstCheck has it all covered in one handheld detector.

FirstCheck offers a rapid response enabling speedy assessment of a given situation or incident allowing the appropriate response to be initiated swiftly and smoothly.

- ppb – 10,000 ppm for unrivaled multigas detection of VOC's and toxic gases
- Large numerical back-lit display for easy viewing of readings in adverse conditions
- Real time graph display for an instant assessment of readings
- Data download via infrared port to a PC for analysis of all 5 sensors output with easy to use software.
- Health and Safety mode for STEL and TWA monitoring
- Display all 5 readings in a graphical or numerical format for simultaneous assessment
- Icon driven menu for ease of understanding
- Intrinsically safe for use in flammable areas (approvals pending)

FirstCheck is unique in that it allows the user to select the best way in which readings are viewed to suit the individual and any given detection situation.

Large Numeric Screen

Ideal for use in confined spaces, the large number readings can be viewed easily and when set to 'rotate', each sensor measurement can be viewed in turn.



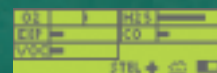
Single Graph Screen

Each sensor reading can be viewed as a real-time graph giving an instant overview of developing trends. By using the up and down keys each sensor reading can be viewed in turn.



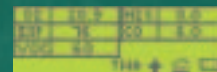
Multiple Bar-Graph Screen

Allows the viewing of all measurements simultaneously in an easy to understand bar-graph format.



Multiple Numeric Screen

Enables the viewing of all sensors readings at the same time as numbers for instant understanding of results.



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