

Multigas Detector with PID

Ion Science FirstCheck+

FirstCheck+ is the first multigas to combine complete VOC and toxic gas detection from ppb up to 10,000 ppm with traditional multigas sensors for oxygen (O), hydrogen sulfide (H₂S), carbon monoxide (CO) and explosive gas (LEL) detection – providing a must-have instrument for first responders and confined space entrants.

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

FEATURES

- ppb–10,000 ppm for unrivalled 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 and to eliminate translation difficulties
- Intrinsically safe for use in flammable areas

MODEL SELECTION

FirstCheck+ 1000

FirstCheck+ 1000 is the first in our new line of fully upgradeable multigas detectors. It is entry priced, with simple functioning and gives you the ability to upgrade throughout the entire FirstCheck+ range as your business needs change. The 1000+ is intrinsically safe and has a detection range of 0.1 – 4,000 ppm on PID and gas. With user set single point alarms and gas table of over 250 gases (including their unique response factors), the 1000+ is equipped to detect a wide range of VOCs.

FirstCheck+ 2000

In addition to the above features FirstCheck+ 2000 boasts unique data logging capabilities, allowing you to store a minimum of 37 hours worth of data logged readings taken every second (over 130,000 individual readings). FirstCheck+ 2000 utilizes a date and time stamp for download to a PC via an IRDA link for detailed analysis and uses Ion PC software (running on Windows XP and Vista). This instrument is a proven ideal tool for indoor air quality and perimeter monitoring applications.

FirstCheck+ 3000

FirstCheck+ 3000 adds benefits beyond the 2000 with an extended detection range of 0.1 to 10,000 ppm on the PID sensor, and an additional operating mode for personnel health and safety monitoring. With pre-programmed STEL and TWA values, FirstCheck+ 3000 provides optimal worker protection.

FirstCheck+ 5000

Ion Science's most sophisticated PID, the FirstCheck+ 5000 is the only instrument available on the market with a dynamic detection range of 1 ppb up to 10,000 ppm. Its versatility allows detection of a greater range of dangerous toxic gases at low ppb levels hazardous to health, as well as flammable gases at LEL thresholds. Coupled with the advanced features of the 3000+, the 5000+ is ideal for the first responder due to its sensitivity, making this instrument a potential life saver across a variety of hazardous environments.



CALL GEOTECH TODAY (800) 833-7958

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Multigas Detector with PID

Ion Science FirstCheck+

SPECIFICATIONS

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| PID: | New Ion Science Photoionization Cell Fitted with unique "Fence Electrode" technology Greater measurement stability, accuracy and linearity Improved resistance of relative humidity effects O ₂ – electro-chemical sensor CO – electro-chemical sensor H ₂ S – 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: | 1000 PID Maximum range – 0.1 to 4,000 ppm 2000 PID Maximum range – 0.1 to 4,000 ppm 3000 PID Maximum Range – 0.1 to 10,000 ppm 5000 PID Maximum Range – 1 ppb to 10,000 ppm O ₂ Maximum range: 0 to 25% CO Maximum range: 0.1 to 1,000 ppm H ₂ S Maximum range: 0.1 to 100 ppm LEL Maximum range: 0 to 100% |
| Flow Rate: | 220 ml/min or 220 cc/min with flow fail alarm |
| Temperature: | Operating: -20° to 60°C (-13 to 140°F) Humidity: 0 to 99% RH (non-condensing) |
| Weight and Dimensions: | Instrument without probe: 340mm L x 60mm W x 49mm H (13.5" x 2.3" x 1.9") Case: 420mm x 320mm x 97mm (16.5" x 12.5" x 3.8") Instrument: 0.61 kg (1.36 lb.) Packed: 3.045 kg (6.7 lb.) |

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