SF6 LeakCheck P1:p is a revolution in SF6 leak detection, ensuring incredibly fast searching at ultra sensitive levels. Even the smallest of leaks can be detected and located swiftly with a minimum detection level of 1 x 10⁻⁷ ml/sec or optional 1 x 10⁻⁸ ml/sec, equivalent to a grain of rice per year!

Designed for SF6 gas leak testing and measurement in high voltage electrical SF6 switchgear, the instrument also detects other gases with a high affinity for electrons, such as refrigerant R12.

A unique advantage of the instrument is that it is unaffected by exposure to large leaks. Even after saturation or exposure to leaks of 100%, clear down remains rapid (<1s). The SF6 gas leak detector also benefits from having a non-radioactive source, eliminating registration, storage and transportation issues found with traditional radioactive ECD SF6 gas leak detectors.

Additional features of the SF6 gas leak detector include data logging, alarms; both audio and visual, and a robust portable case. The instrument requires no consumables, such as Argon, reducing the ongoing costs of operation. There are no items requiring maintenance or service in the handgun or console.

The P1:p SF6 gas leak detector meets the demands for quality and traceability to international standards as required by today’s industry. It is designed for the location, leak testing and measurement.

**BEST AVAILABLE SF6 LEAK DETECTION**
- Ultra high sensitivity with a 1 x 10⁻⁸ ml/sec*
- Award winning Negative Ion Capture (NIC) technology
- Unaffected by large leaks and 100% SF6 meaning no frustrating delays between searches
- Choice of display units cc/sec, gm/yr and ppm for monitoring conformance to leak minimisation targets

**EASE OF USE**
- Non radioactive source for easy storage and transportation
- No training required - switch on and go
- Lightweight, ergonomically designed handgun
- Touch screen for easy navigation menus
- Simple data storage and printing for analysis

**LOW COST**
- No argon or other pressurised gases required for reduced cost of ownership
- 2 year warranty when instrument registered online

*Highsense option

The SF6 LeakCheck P1:p is an award winning SF6 leak detector ensuring fast accurate detection at ultra sensitive levels.
# SPECIFICATIONS

Specifications subject to change without notice

<table>
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<tr>
<th>Measurement Principle</th>
<th>Negative Ion Capture (NIC): a non radioactive, non restricting carriage and no licensing required.</th>
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</table>
| Sensitivity           | Standard SF6 GasCheck P1 and LeakCheck P1:p  
  1 x 10^{-7} ml/sec, 1ppm, 0.01gm/yr SF6  
  Highsense option  
  1 x 10^{-9} ml/sec, 0.1ppm, 0.001gm/yr SF6 |
| Response              | T90 = < 1 second rise and clear down |
| Operation             | Lead acid battery, internal and fully protected  
  Recharge between 85-265 AC V, 50/60Hz |
| Alarm                 | Audio and visual with an optional handset alarm |
| Measurement Units     | Measures in ml/sec, gm/yr and ppm  
  Range: each unit 1:500  
  Accuracy: ±5% of displayed leak rate or ± 2 digits  
  Repeatability: ±1 digit |
| Calibration           | Via CalCheck calibration accessory |
| Datalogging           | Over 500 data points with date and time stamp  
  Download via RS232 to a PC |
| Temperature           | Storage: -10 to 60°C (14 to 140°F)  
  Operating: 0 to 50°C (32 to 122°F) |
| Dimensions            | Consol: 500 x 400 x 190 mm (19.7 x 15.7 x 7.5")  
  Shipped: 520 x 430 x 210 mm (20.5 x 16.9 x 8.3") |
| Weight                | Shipped 15 kg (33lb) |
| Part Number           | 72-7400 |
| Included              | • SF6 LeakChecker P1:p*  
  • P1 Consol  
  • P1 Hand Gun  
  • 3 x Spare Probes  
  • Charger Cable (Mains)  
  • Certificate  
  • Robust Peli Case |

*Instument built-in to case for maximum portability