

SF6 LEAKCHECK P1 XTL LEAK DETECTOR

The ultimate solution for the detection of Sulphur Hexafluoride



This advanced SF6 Leak Detector is set to redefine safety and environmental monitoring by efficiently detecting a wide range of hazardous gases beyond just Sulphur Hexafluoride, including C4-FN.



RELIABLE SF6 LEAK DETECTOR

Our advanced SF6 Leak Detector operates on the cutting-edge Negative Ion Capture (NIC) detection principle, ensuring precision and reliability. With sensitivity levels that exceed industry standards, our device can detect even the slightest gas leaks, with a standard sensitivity of 1×10^{-7} cc/sec, 1 ppm, and 0.01 g/a. For high-sensitivity applications, it boasts an impressive sensitivity of $1.0\text{E-}8$ cc/sec, 0.1 ppm, and 0.001 g/a. Rapid response is a key feature, as our system achieves a T90 response time of approximately 0.5 seconds and a T10 response time of approximately 0.5 seconds.

You have the flexibility to choose your preferred alert method, be it selectable handgun vibration, audio signals, or LED projection. The audio alerts are intelligently tied to leak rate and condition signals for enhanced situational awareness. Our device is equipped with a user-friendly 2.8-inch touch display on the handgun, making it easy to monitor and control. Additionally, it offers robust self-diagnostic capabilities, checking sample flow, sensor condition, battery condition, and hardware faults. You can count on reliable power with a LiPo battery in the handgun and

inductive charging at the docking station, while the console relies on LiFe batteries. It can operate in a wide range of temperatures, from $-10\text{ }^{\circ}\text{C}$ to $+60\text{ }^{\circ}\text{C}$ for storage and $0\text{ }^{\circ}\text{C}$ to $50\text{ }^{\circ}\text{C}$ during operation. For added convenience, it accommodates a global power supply of 100 – 240V (50/60 Hz). Trust in our gas leak detection system to ensure safety and peace of mind in various environments.

TYPICAL APPLICATIONS

- SF6 leak testing and measurement in high voltage switchgear
- Breathing apparatus testing
- Medical device testing
- Leak integrity assurance to ultra low levels on equipment containing (H) CFC's in medical, refrigeration and air conditioning units



KEY FEATURES

- **Easy to use** – The SF6 Leak Detector is designed with ease of use in mind.
- **High Sensitivity** – This instrument has high sensitivity for both leak rates and gas concentrations.
- **Easily Transportable** – The trolley style protector case allows the instrument to be easily moved from one place to another.
- **Immune to 100% SF6** – Even after exposure to high gas concentrations, the instrument recovers without any loss in sensitivity, accuracy or response time.
- **Negative Ion Capture Technology** – This instrument utilises the award winning Negative Ion Capture (NIC) Technology.
- **Fast Response Time & Clear Down** – The SF6 instrument requires no warm up or stabilisation time and has a response time of <0.5 seconds

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Wireless handgun

Docking Station with inductive charging

Storage Area of Manuals and accessories

Storage for 3x P1 SmartSensor

Pelican Protector Trolley



SPECIFICATIONS Specifications subject to change without notice

Specification	Value
Detection Principle	Negative Ion capture (NIC)
Sensitivity	Standard: 1×10^{-7} cc/sec, 1 ppm, 0.01 g/a HIGHsense: 1.0×10^{-8} cc/sec, 0.1 ppm, 0.001 g/a
Response Time T90	Approximately 0.5 seconds
Response Time T10	Approximately 0.5 seconds
Alarm	Selectable handgun vibration, audio and LED projection
Audio	Frequency/ repeat rate coupled to leak rate, condition signals
Display	2.8" touch display on handgun
Self Diagnostic	Sample Flow Sensor Condition Battery Condition Hardware Fault
Battery	Handgun LiPo, inductive charge at docking station Console LiFe
Temperatures	Storage : -10 °C to $+60$ °C Operating: 0 °C to 50 °C
Power Supply	85 – 265V (50/60 Hz)
Dimensions	Console: 420 (H) x 240 (D) x 470 mm (W) Handgun: 300 (H) x 105 (D) x 90 (W)
Weight	Handgun: 750g



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