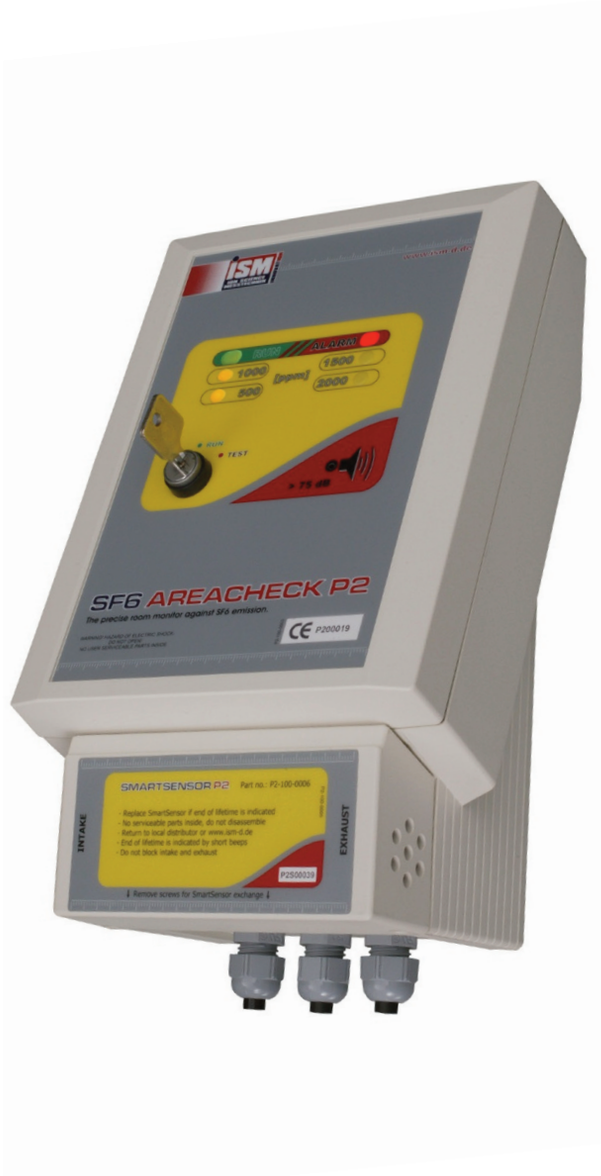
SF_6 AreaCheck P2

Award winning, highly sensitive, SF_6 leak detection.



Designed for continuous SF_6 area montioring, the AreaCheck P2 rapidly detects low-level SF_6 leaks protecting workers and the environment.

Best proven SF_6 leak detection

- Award winning Negative Ion Capture (NIC) technology
- Fast, accurate detection down to highly sensitive levels
- No cross sensitivity with other gases or moisture in air
- Data logging capability

Safety

- Relay output for immediate awareness of leaks detected
- Audio and visual alarms provide clear indication of SF_6 leaks
- Complete safe set up via PC or the Network Interface protects from unauthorised access
- Built in low flow alarm and diagnostics test

Flexibility

- Use as a stand alone detector or with the P2 network controller and up to 11 other SF6 AreaCheck P2s
- Exchangeable SmartSensor (12 month lifetime)
- Maintenance free operation

Designed for fixed continuous SF_6 area monitoring, the AreaCheck P2 rapidly detects low-level SF6 leaks. AreaCheck P2 utilises relay output for immediate awareness of detected leaks, and presents no cross sensitivity with any other gas or moisture in the air.

Instrument setup is carried out easily via a computer or network interface, allowing optimal protection from unauthorised access. The SF_6 AreaCheck P2 has a built-in low flow alarm and self-diagnostic testing.

The instrument's serviceable components are comprised in the user exchangeable SmartSensor, with a lifetime of up to 12 months. Measuring stations are maintenance-free, ensuring instrument downtime is minimised.

AreaCheck P2 has no filter problems due to its minimum air intake (compared to pump operated systems).

AreaCheck P2 can be effectively used as a stand-alone instrument, or with the P2 network controller and up to eleven other SF_6 AreaCheck P2s.

Why monitor SF_6?

The award winning technology of the SF_6 AreaCheck P2 can rapidly detect low level SF_6 leaks ensuring worker safety, help protect the environment, and save costs.

Suffocation risk

SF_6 is a colourless, odourless gas that can easily go undetected by workers and create a suffocation risk. SF_6 has a Maximum Allowable Concentration (MAC) of 1000 ppm.

Harmful to the environment

SF_6 is a greenhouse gas and leakages are extremely harmful to the environment. SF_6 leaks have been targeted for reduction under the Kyoto Protocol.

Expensive

An expensive gas, SF_6 leakages from indoor gas insulated switchgear (GIS) are very costly.

Applications include:

- SF_6 leak testing and measurement in high voltage switchgear (GIS)
- Leak integrity tesing on medical, refrigeration and air conditioning equipment containing SF_6 and (H)CFCs • Breathing apparatus testing
- Medical device testing

TECHNICAL SPECIFICATION

DETECTION PRINCIPLE
SF_6: NIC
O_2: GC (Galvanic Cell)

RANGE
0 - 2000 ppm SF_6
0 - 30% O_2

RESOLUTION
500 ppm SF_6 /10 ppm
1% O_2

MAINS POWER
100 - 240 VAC, 50/60 Hz

POWER CONSUMPTION
18VA

OPERATING TEMPERATURE
-5°C to 45°C

STORAGE TEMPERATURE
20°C to 60°C

OPERATING HUMIDITY RANGE
10 - 90% non condensing

MAX LOAD, RELAY OUTPUT
2,5A / 230 VAC

SIZE
H 280 x B 165 x T 125 mm

PROTECTION CLASS
IP 52

NOISE LEVEL OF AUDIBLE ALARM
> 75 dbA, 1m

WEIGHT
1,5 Kg (w/o wall mounting bracket)

FUSE
T 1A (Slow Blow)

Distributed by:

Manufactured by:

Ion Science Ltd
The Way, Fowlmere,
Cambs, SG8 7UJ, UK
T: +44 (0) 1763 208 503
E: info@ionscience.com
www.ionscience.com