



SF₆ AreaCheck P2

**Award winning,
highly sensitive,
SF₆ leak
detection.**



Designed for continuous SF₆ area monitoring, the AreaCheck P2 rapidly detects low-level SF₆ leaks protecting workers and the environment.



Best proven SF₆ 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 SF₆ 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 SF₆ 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 SF₆ 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 SF₆ AreaCheck P2s.

Why monitor SF₆?

The award winning technology of the SF₆ AreaCheck P2 can rapidly detect low level SF₆ leaks ensuring worker safety, help protect the environment, and save costs.

Suffocation risk

SF₆ is a colourless, odourless gas that can easily go undetected by workers and create a suffocation risk. SF₆ has a Maximum Allowable Concentration (MAC) of 1000 ppm.

Harmful to the environment

SF₆ is a greenhouse gas and leakages are extremely harmful to the environment. SF₆ leaks have been targeted for reduction under the Kyoto Protocol.

Expensive

An expensive gas, SF₆ leakages from indoor gas insulated switchgear (GIS) are very costly.

Applications include:

- SF₆ leak testing and measurement in high voltage switchgear (GIS)
- Leak integrity testing on medical, refrigeration and air conditioning equipment containing SF₆ and (H)CFCs
- Breathing apparatus testing
- Medical device testing

Distributed by:

TECHNICAL SPECIFICATION

DETECTION PRINCIPLE

SF₆: NTC
O₂: GC (Galvanic Cell)

RANGE

0 - 2000 ppm SF₆
0 - 30% O₂

RESOLUTION

500 ppm SF₆ / 10 ppm
1% O₂

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)

This publication is not intended to form the basis of a contract and specifications can change without notice.

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