

SF6 P1:P

SF6 LEAK DETECTOR



FAST, ACCURATE DETECTION OF LOW
LEVEL SF6 LEAKS.

ionscience.com

Unrivalled Gas Detection.





**THE SF6 LEAKCHECK P1:P IS
AN AWARD WINNING SF6 LEAK
DETECTOR ENSURING FAST ACCURATE
DETECTION AT ULTRA SENSITIVE LEVELS.**

Best available SF6 leak detection

- Ultra high sensitivity with a 1×10^{-8} ml/sec*
- Award winning Negative Ion Capture (NIC) technology
- 1 second rise and clear down for rapid leak detection
- 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

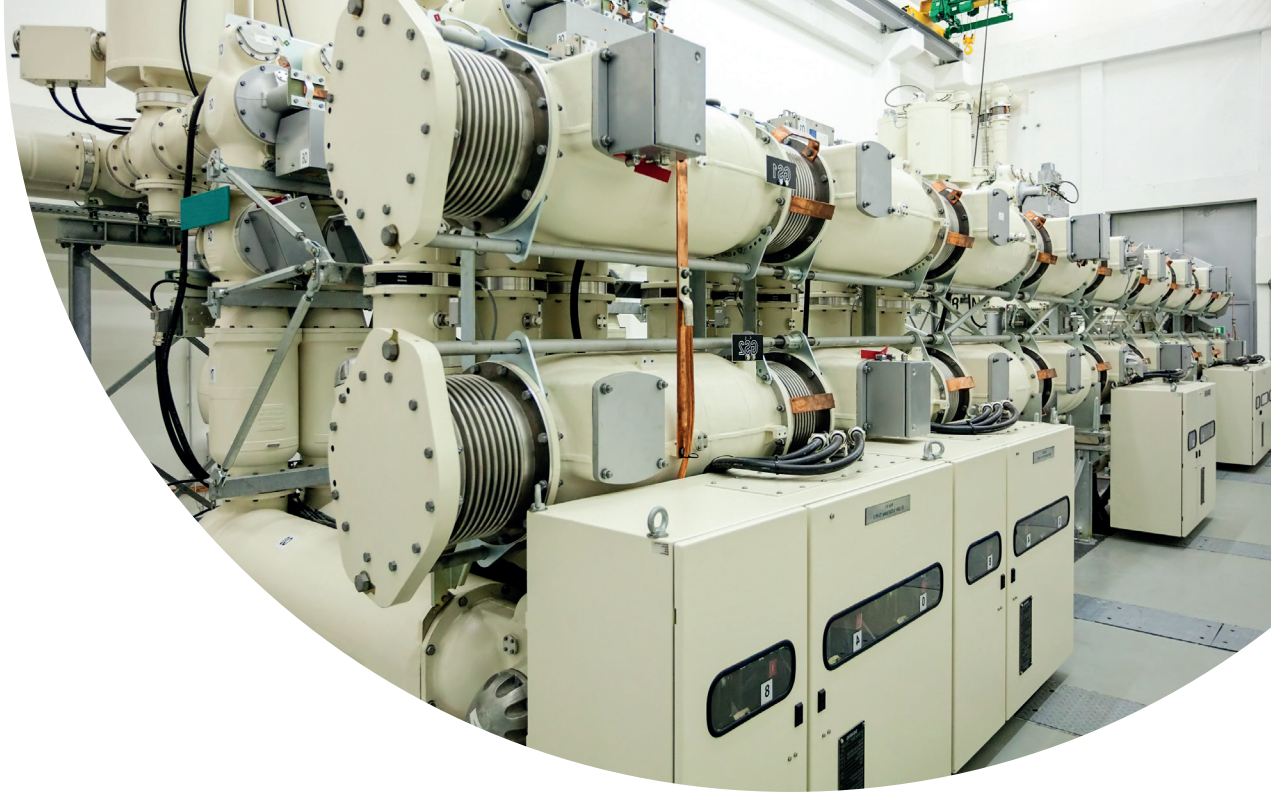
Ease of use

- 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



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 1×10^{-7} ml/sec or optional 1×10^{-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 of SF6 leaks in high voltage electrical switchgear.

The instrument's award winning Negative Ion Capture (NIC) technology with non-radioactive source eliminates problems of registration, storage and transportation.

Extend your instrument warranty

Your SF6 P1:p instrument warranty may be extended by simply registering your product on the Ion Science website within one month of purchase. Visit www.ionscience.com/instrument-registration to take advantage of this offer.

Applications include

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



Technical specifications

MEASUREMENT PRINCIPLE

- Negative Ion Capture (NIC): a non-radioactive, non-restricting carriage and
- no licensing required.

SENSITIVITY

- Standard SF6 GasCheck P1 and LeakCheck P1:p
- 1×10^{-7} ml/sec, 1 ppm, 0.01 gm/yr SF6
- Highsense option
- 1×10^{-8} ml/sec, 0.1 ppm, 0.001 gm/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: $\pm 5\%$ of displayed leak rate or ± 2 digits
- Repeatability: ± 1 digit

CALIBRATION

- Via CalCheck calibration accessory

DATA LOGGING

- 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

- SF6 LeakCheck P1:p
- 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

- SF6 LeakCheck P1:p
- Shipped 15 kg (33 lb)

SF6 P1:p V1.6. This publication is not intended to form the basis of a contract and specifications can change without notice.

Accessories

Your SF6 P1:p is supplied with an exclusive range of accessories. Visit www.ionscience.com/sf6 for more info.

Distributed by:

ION Science Ltd
The Hive, Butts Lane,
Fowlmere, Cambridgeshire,
SG8 7UJ, UK

T +44 (0)1763 208503
E info@ionscience.com

Services d'EURO-INDEX

EURO-INDEX est un fabricant, importateur et distributeur de diverses marques A dans le domaine des instruments de test et de mesure. Nous fournissons également une large gamme de services pour optimiser l'utilisation de ces instruments dans vos activités. Ces services comprennent naturellement l'entretien, la réparation et l'étalonnage des instruments, mais nous proposons aussi une assistance sous forme de formation via notre EURO-INDEX Academy et la location d'instruments.

Centre de Service Agréé

EURO-INDEX est un Centre de Service Agréé pour toutes les marques représentées. Cela signifie que vos instruments sont pris en charge par des techniciens formés par le fabricant et disposant des outils et logiciels adéquats. Seules des pièces d'origine sont utilisées et la garantie de votre instrument, ainsi que les certifications (ATEX, EN50379, etc.) restent intactes.

Laboratoire de maintenance et de calibrage

Le laboratoire des Pays-Bas est accrédité RvA selon la norme EN-ISO/IEC 17025. Cette accréditation est valable pour différentes grandeurs, telles que spécifiées dans le champ d'application associé au numéro d'accréditation K105. Les certificats de calibrage RvA sont acceptés à l'international et équivalents à ceux de BELAC.



Service Mobile

Outre les laboratoires d'étalonnage fixes de Zaventem et de Capelle aan den IJssel, nous disposons également d'un laboratoire itinérant appelé "Service mobile". Nos services peuvent venir vers vous, en offrant une qualité équivalente.

MQS®

MQS® est une formule d'entretien exclusive comportant un entretien et un calibrage périodiques de vos instruments de mesure à un coût fixe et faible. Via un portail Web gratuit (monmq.be), vous avez toujours accès à vos certificats de calibrage.

Location d'instruments de mesure

- Vaste assortiment
- Précision démontrable par le certificat d'étalonnage actuel
- Conseils avisés
- Les instruments sont livrés avec leurs accessoires

EURO-INDEX Academy

- Formations et séminaires
- Vidéos de démonstration et d'instruction
- Notes d'application



Comptoir de service



Entretien, réparation et calibrage



Formations et séminaires



Service Mobile

Sous réserve de modifications EURO-INDEX® FR 23001



BELGIQUE
Chaussée de Louvain 607
1930 Zaventem
T: 02 - 757 92 44
F: 02 - 757 92 64
sales@euro-index.be
www.euro-index.be

PAYS-BAS
Rivium 2e straat 12
2909 LG Capelle a/d IJssel
T: +31 - (0)10 - 2 888 000
F: +31 - (0)10 - 2 888 010
verkoop@euro-index.nl
www.euro-index.nl

