



SF<sub>6</sub>



**DETECTOR PRINCIPLE**  
Negative Ion Capture (Nic) operating  
In partial vacuum.

**USEABLE SENSITIVITY**  
1 E-7cc/sec, 1ppm, 0.2gm/yr.

**RESPONSE TIME**  
< 1sec. Cleardown also < 1sec.

**POWER SUPPLY**  
Self-seeking AC supply of 85-265V.

**PORTABLE USE**  
10 hours before recharge.  
Low battery warning.

**STANDBY MODE**  
If unused for 5 mins (selectable).

**HANDGUN**  
563g


**CONSUL**  
340X350X170mm. Weight 10.4kg.

**PRINTER INTERFACE**  
Standard 9 pin serial for printer or  
computer.

**CABLE LENGTH**  
Standard 5m, extension to 15m.

**CALIBRATION**  
Portable Reference Leak SF<sub>6</sub>, NAMAS,  
NIST, DKD.

**DESIGN STANDARDS**  
CE, IS9000.

- No radioactive detector
- No Argon or other pressurised gases required.
- Smart sensor technology, detachable probe.
- Display units cc/sec, gm/yr and ppm
- Touch screen with help menus
- Lightweight 3 button hand gun
- Data storage and printing 
- No training required, switch ON and go
- Lightweight 3 button hand gun
- Large leaks (100% SF<sub>6</sub>) No Contamination Problem
- Transit: Compact steel transit case for export shipping



### DESCRIPTION

The GAS CHECK SF6 is designed for the location, leak testing and measurement of SF6 gas in high voltage electrical switchgear. This instrument has none of the problems of registration, storage and transportation associated with instruments based on the radioactive source ECD principle, which also require high purity and high pressure Argon gas.

Data Storage and printing at the touch of a button. Although designed for SF6 in switchgear other gases with a high affinity for electrons, such as refrigerant R12 may also be detected.

The negative ion capture (NIC) detector, is combined with 'smart sensor' technology. There are no items requiring maintenance or service in the handgun or console.




Developed from the Gas Check series of general purpose and Helium Intrinsically Safe Detectors, this instrument meets the demands for quality and traceability to International standards as required by today's industry.

### FEATURES

Large Leaks even 100% SF6 will not contaminate or damage the detector.

Easy to use touch screen. User set-up, date/time, operator identification from help menu's and self diagnostics.

Three button operation.

-  Desensitise  
(This allows large leaks to be measured)
-  Zero
-  Data store result.

Smart sensor technology. The detachable probe contains all calibration and serial number information (displayed on screen). Sensor status and calibration data is read by the console. The small probe is the only item which may need to be returned for service.

### CALIBRATION/ACCESSORIES:

Portable Reference Leak range 3 E-7cc / sec SF6. Calibration takes 1 minute with alarm level set points and volume easily set on touch screen. The display then asks for the probe to be held in the Reference Leak and automatically calibrates.

Flexible probes for leak searching in confined spaces

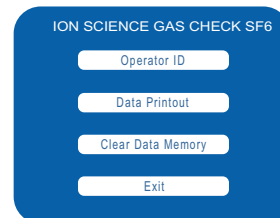
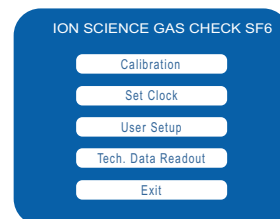
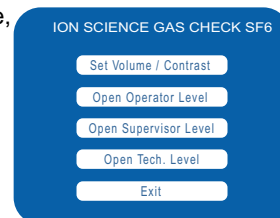
Cable 'plug in' extensions, maximum of 15m are designed for use servicing on site.

### OTHER APPLICATIONS

Glove boxes using a dilute SF6 gas, as low as 1% and checking externally for leaks (A SHRAE 110)

Ultra low leak detection on a wide range of components which are designed to be leak tight to critical levels, communication, medical, military, nuclear, A/C.

### User Friendly Touch Screen



ION SCIENCE Ltd produces a wide range of leak detection solutions for air pressure/vacuum decay, gas flow measurement, calibration standards, medical product testing, trace gas Intrinsically safe portable gas leak detectors and atmosphere gas detectors, see our web site.

Our programme of continuous development means that specifications and information may be changed without notice.



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