



Rapidox SF₆ 6100 Portable Gas Analyser

Features

The Rapidox SF₆ 6100 Portable is designed for controlling and monitoring the quality of SF₆ in medium and high voltage gas insulated electrical equipment.

Exceptional accuracy and stability are provided when measuring the purity of SF₆ gas, through specially selected sensors. The modular configuration allows for up to seven compatible gases to be analysed, simultaneously, with one instrument.

A gas output nozzle allows for the analyser to be attached to the Rapidox Gas Recovery Bag, ensuring that all sampled SF₆ gas is recovered.

Internal SF₆ gas pressure is recorded and logged by the analyser. All measured gases are analysed and data logged simultaneously with only a few minutes required to achieve a stable reading.

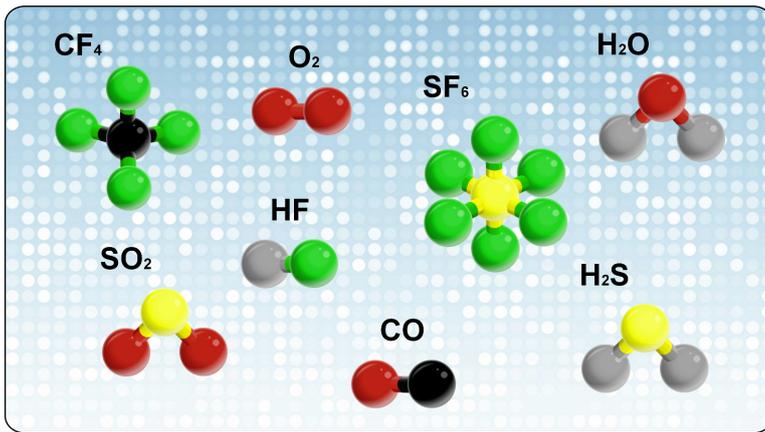
In order to accelerate the time taken in-between dew point readings, a unique Rapidri system is fitted to analysers measuring H₂O. When not in use the sensor can be isolated via the 'Open - Close' valve.

- Modular design allows for bespoke sensor combination upon request
- Lithium battery provides up to eight hours of operation
- Housed within a heavy-duty IP66 case with a total weight of 8.5 kg
- 7" (180mm) full-colour touch screen interface with soft menu keys
- Pre-programmed with all current IEC and CIGRE test configurations, with the ability to create customised parameters
- All data is continuously logged and Excel compatible data can be downloaded via a USB memory stick
- Operates on any worldwide mains voltage (90-260VAC)
- Thermal printer provides on-site test results
- Multi-language (Please contact for details)
- Password protection feature

SF₆ Gas

- Sulphur hexafluoride (SF₆) gas is commonly used as an insulator within medium and high voltage electrical equipment, in addition to medical and manufacturing applications.
- It is an extremely chemically stable, non-flammable and highly electronegative greenhouse gas; with excellent dielectric properties.
- Analysis of SF₆ will extend the life of the gas and ensure personnel and equipment protection; alongside avoiding unnecessary equipment failures and reducing maintenance expenditure.

Gases



Specification

Sample connections	Rectus style fitting
Warm-up time	3-4 minutes at 20°C
Data outputs	Excel compatible data via USB memory stick
Data storage	4GB internal data storage allowing for approximately 1 year of continuous monitoring
Max inlet pressure	10 Bar gauge
Operating temperature	-20°C to 55°C
Gas flow range	100-1,000 ml.min ⁻¹
Optional pump	0-1 litres per minute
Battery life	In excess of 8 hours (up to 500 cycles) 4-6 hour charge
Voltage (charging)	90-260VAC, 50/60Hz
Display	7" (180mm) full-colour LCD with touch screen operation
Printer	Thermal printer allows output of results on demand
Analyser dimensions	180mm(H) x 480mm(W) x 360mm(D)
Weight	8.5kg (Total instrument and case)

Accessories

Calibration and Servicing



Rapidox Gas Recovery Bag



Sample Hose and Couplings



Find out more about SF₆ gas analysis at:

www.sf6.co.uk

Please contact Cambridge Sensotec for further information



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