

Rapidox SF₆ 6100 Pump Back Sensor Specification



The Rapidox SF₆ 6100 Pump Back is a fully-automatic gas analyser, designed for controlling and monitoring the quality of SF₆ in medium and high voltage gas insulated electrical equipment. The modular configuration allows for up to six compatible gases to be analysed, simultaneously, with one instrument.

For analysers containing a CF₄ (Tetrafluoromethane) sensor, the measurement of Air is also a requirement. All sensor replacements are to be carried out by Cambridge Sensotec.

Please contact Cambridge Sensotec for further information.

Sensor	Specification	Calibration Period	Calibration by	Life Span	Sensor Type
SF ₆ - Sulphur Hexafluoride	0-100% ±0.5% full-scale accuracy	12 months	User	5 years	Infra-Red (IR)
H ₂ O - Dew Point	-60°C to +20°Cdp ±2°Cdp accuracy of reading	24 months	Cambridge Sensotec	2-3 years	Ceramic
SO ₂ - Sulphur Dioxide	0-100ppm ±2% full-scale reading	12 months	User	2-3 years	Electrochemical
HF - Hydrogen Fluoride	0-10ppm 1ppm accuracy	12 months	User	2-3 years	Electrochemical
CF ₄ - Tetrafluoromethane	0-80% ±1% full-scale reading	12 months	User	5 years	IR or this may be measured by balance
H ₂ S - Hydrogen Sulphide	0-100ppm ±5% full-scale accuracy	12 months	User	2-3 years	Electrochemical
CO - Carbon Monoxide	0-1,000ppm ±2% full-scale accuracy	12 months	User	2-3 years	IR or Electrochemical
Air	0-100% ±5% of full-scale reading	12 months	User	2-3 years	Electrochemical O ₂



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Due to continuous product development, necessary changes to specifications may be made without prior notice. Issue no: V1.1 2016



Find out more about
SF₆ gas analysis at:

www.sf6.co.uk