

Equipment for Service and

Maintenance of SF₆-Switchgear and Circuit -Breaker

Certified acc. EC 305/2008

SF₆ - Gasopur-210



SF₆—Gas Analyser

The Gasopur-210 Pump Back unit is a fully-automatic gas analyser, designed for controlling and monitoring the quality of SF_6 in medium and high voltage gas insulated electrical equipment.

- Bespoke sensor combination
 7 inch full-colour touch screen
 Lithium battery provides 8 hours of operation
 Heavy duty IP66 case
 Continuous data logging download via USB
 Can be charged by AC adopter, convenient and quick on worldwide mains voltage
 integrated thermal printer

- Multi-language
 Total weight 21kg
 Long service life of sensor
 Easy to use
- Fast response time Calibration in the factory using certified test gases

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

Once connected, the Gasopur-210 SF6 Pump Back samples gas from the electrical equipment automatically or manually, with an inlet auto gas pressure sensing function. A vacuum purge cycle and internal gas storage system ensures that no air can contaminate the gas sample and that no SFG gas is able to escape during the testing period.

SF6 gas pressure in the internal sample compartment 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. A powerful 10 bar compressor, with a separate lithium battery power supply, then returns the gas to the electrical equipment afty

The analyser is pre-programmed with all current IEC and CIGRE test configurations, with the ability to create customised test parameters. Modular design allows for bespoke sensor combinations upon request.

Though highly configurable to suit individual customer requirements, the Gasopur-210 SF6 Pump Back possesses several standard features to enhance functionality.

SF6 is an extremely stable, non-flammable and highly electronegative gas with excellent dielectric properties. It is commonly used in medium and high-voltage electrical equipment as an electrical insulator, arc-quenching and cooling medium.

However, SF6 is classified as a greenhouse gas and must be kept within a closed circuit to avoid any deliberate release into the atmosphere. The international Kyoto agreement protocol has mandated reductions to harmful emissions amongst its

For the power transmission and distribution network, SF6 technology remains essential. To protect personnel, equipment and the environment regular SF6 analysis should be adopted within the maintenance schedule. The early identification of any decomposition products and moisture within the SF6 gas will help avoid unnecessary shutdowns, outages and failures, in addition to reducing maintenance expenditures.

Accessories









Gas Recovery Bag DN8 & DN20 Fittings and Braided Hoses



Specifications

Operating Temperature : Warm-up time: Warm-up time:
Voltage (Charging)
Battery Life:
Sample Connections
Data Output:
Data Storage:
Gas Flow:
Max Inlet Pressure:
Optional Pump:
Display:

Display: Printer: Anayser Dimensions: Weight: -20°C to 55°C
3-4 minutes at 20°C
90-260VAC, 50/60Hz
in excees of 8 hours , 4-6 hour charge
Rectus style fittings
Excel compatible data vis USB memory stick
4GB internal data storage (allowing for approximately
100-1000ml per minutes
10bar
0-1litres per minutes
7 inches (180mm) full-colour LCD touch scree o-inities per iminutes per iminutes per iminutes per iminutes of the first prinches (180mm) full-colour LCD touch screen interface Integrated thermal printer allows output of results on demand 180mm (H) x 480mm (W) x 380mm (D) 8.5kg (Total instrument and case)