Analysis instrument for determining the concentration of SF_6 gas Model GA50

SF_6-Purity-Meter

Applications

Percentage measurement of the concentration of SF_6 gas in SF_6 gas-filled equipment

Special features

- Fast test results, measurement duration approx. 2 minutes
- Compact and low weight
- Maintenance-free
- Operation via touchscreen
- Long battery life

Analysis instrument, model GA50

Description

The model GA50 analysis instrument is a cost-effective solution for determining the concentration of SF_6 gas in SF_6 gas-filled equipment. This analysis allows for the indirect determination of contaminations in SF_6 gas such as air or CF_4.

The GA50 is calibrated for the measurement of pure SF_6 gas or SF_6/N_2 mixtures. The instrument can also be calibrated for SF_6/CF_4 mixtures on request.

Fast and safe
The GA50 was developed for the fast and accurate measurement of SF_6 gas. With its automatic pressure and flow control, the measurement is reproducible and erroneous measurement is eliminated.

The determined concentration is expressed as a percentage and can be read directly from the touchscreen during the measurement.

Environmentally friendly
The test gas should be intermediately stored at the outlet of the GA50 with a gas recovery bag so that the environmentally hazardous SF_6 gas does not escape into the surrounding atmosphere.

Once the recovery bag is full, the SF_6 gas can be pumped back into a gas cylinder using a model GTU-10 gas transfer unit and subsequently recycled or, depending on the gas quality, be reused directly.

Data sheets showing similar products and accessories:
Portable SF_6 gas transfer unit model GTU-10; see data sheet SP 63.07
Gas recovery bag; model GA45; see data sheet SP 62.08

Specifications

Measuring principle
Sound velocity

Measuring range
0 ... 100 % SF_6 gas

Accuracy
±0.5 %

Resolution
0.1 %

Flow rate
3 litres/hour

Gas consumption
approx. 0.1 litres per measurement (under atmospheric pressure)

Inlet pressure
0.5 ... 35 bar (gaseous)
With automatic flow control

Control panels
Input via touchscreen

The 'Purge' button conducts the contents of the 4-metre-long measuring tube directly to the outlet. This should be carried out before each measurement.

Display
Touchscreen (240 x 128 pixel)

Voltage supply
Lithium-ion accumulator for approx. 24 h operating time
Charger: AC 100 ... 265 V, 50/60 Hz

Permissible temperatures
Storage: -10 ... +60 °C
Operation: 0 ... +50 °C

Permissible humidity
≤ 90 % r. h. (non-condensing)

Dimensions
W x H x D: 280 x 140 x 385 mm

Weight
approx. 7 kg

Calibration
Recommended every 2 years
Standard with SF_6/N_2
SF_6/CF_4 on request

Accessories

	Designation	Order no.
	**Adapter, measuring hose to DN 8**	14017515
	**Adapter, measuring hose to DN 20**	14013758
	**Gas recovery bag, model GA45** For specifications see data sheet SP 62.08	14013015
	**Inlet pressure control unit for gas analysis instruments Model GA05**	14050089

Ordering information

Model / Measuring range / Accessories

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