

Analysis instrument for determining the concentration of SF₆ gas Model GA50

WIKA data sheet SP 62.10

SF₆-Purity-Meter

Applications

Percentage measurement of the concentration of SF₆ gas in SF₆ 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 SF₆ gas in SF₆ gas-filled equipment. This analysis allows for the indirect determination of contaminations in SF₆ gas such as air or CF₄.

The GA50 is calibrated for the measurement of pure SF₆ gas or SF₆/N₂ mixtures. The instrument can also be calibrated for SF₆/CF₄ mixtures on request.

Fast and safe

The GA50 was developed for the fast and accurate measurement of SF₆ 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 SF₆ gas does not escape into the surrounding atmosphere.

Once the recovery bag is full, the SF₆ 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.

Specifications

Measuring principle

Sound velocity

Measuring range

0 ... 100 % SF₆ 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 SF₆/N₂

SF₆/CF₄ 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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