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WHY BUY
WHEN YOU CAN HIRE

SF₆-Purity-Meter Model GA50

WIKA data sheet SP 62.10

Applications

- Measurement of SF₆-gas percentage in SF₆-filled equipment

Special features

- Fast test results, typically 2 minutes total
- Compact, lightweight
- Low maintenance
- Touch-screen interface
- Field proven design

SF₆-Purity-Meter model GA50

Description

The WIKA SF₆-Purity Meter is a cost effective way to determine if the SF₆ percentage in SF₆-filled equipment meets the requirements. Tolerable limits are suggested by the cigré SF₆-Recycling Guide and the IEC 60480 for used gas.

Measuring the SF₆-concentration the SF₆-Purity-Meter indirectly measures impurities of the tested SF₆-gas like air and CF₄.

Functionality

The SF₆-Purity-Meter is a stand-alone device designed to quickly and accurately measure the percentage of SF₆ present within the tested gas. Test gases also can be mixtures of SF₆ e.g. SF₆/N₂. Because the unit has automatic flow and pressure control, the user does not need to be concerned with the correct flow rate settings or compensating for pressure variations in the equipment.

The reading is temperature compensated and displayed in per cent (%) on the touch-screen display. With an optional Recovery Kit GA45 connected to the outlet valve of the purity-meter the tested gas is stored for possible reuse after positive test result.

Additional features

Measuring principle

Velocity of sound. Sound speed of air is about 330 m/s, while it is only about 130 m/s in pure SF₆.

Range

0 ... 100 % SF₆

Accuracy

± 0.5 %

Resolution

0.1 %

Flow rate

3 liters/hour

Approximate SF₆ gas consumption

Approx. 0.3 liters per measurement

Pressure

0.5 ... 35 bar (gaseous) with automatic flow rate regulation

Operation

Press purge button in order to clean the hoses from prior measurement

Display

Touchscreen graphic display (240 x 128 pixel)

Power supply

Lithium-Ion battery with 24 hour capacity

Rechargeable AC 100-265 V (50/60Hz)

Battery voltage displayed

Temperature

Storage: -10 °C ... 60 °C

Operation: 0 °C ... 50 °C

Dimensions

W x H x L: 280 x 140 x 300 mm (11.0 x 5.5 x 11.8 in)

Weight

Max. 6 kg (13.2 lbs)

The specifications given in this document represent the state of engineering at the time of publishing.
We reserve the right to make modifications to the specifications and materials.



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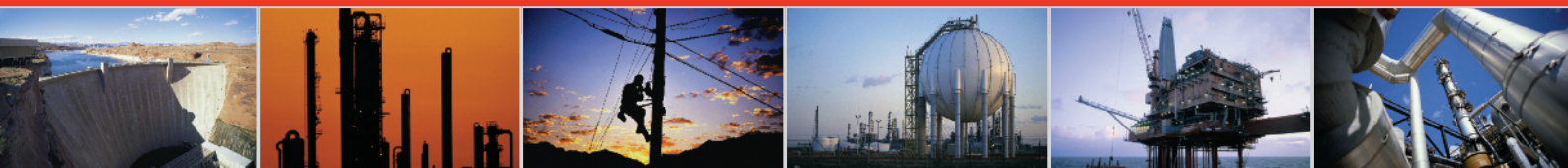
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