3-032-R103

Portable SO_2 measuring device

0-500 ppm_v

For measurement of the SO_2 concentration in gas mixtures

Before maintenance works are carried out it is absolutely necessary to know the gas quality. This special equipment allows precise measurement of SO_2 in gas mixtures. Furthermore this device is very resistant against contamination and SF_6 decomposition products and is therefore a reliable instrument for each revision of circuit breakers.

Standard version

- SO_2 measuring device with digital display
- operation: mains-operated or with batteries (with integrated battery charger with deep discharge protection and battery charge level indicator),
- automatic switchover
- automatic rinsing of measuring cell when switching o□ff
- 2 m long connecting cable with mains plug
- 4 m long connecting hose with quick couplings DN8 and DN20
- output coupling for connecting a gas collecting unit
- robust housing with handle for placing and transportation
- transport case
- operating manual (multilingual)

Special features

- Gas type: SF_6

Advantages & functions

- minimisation of the usual long term drifting
- no pressure and temperature influences on the measuring result
- indication in ppm_v
- connection: quick coupling
- response time: < 15 s (90 % of the final value)
- lifetime of the sensor: 6 months when storing in protective foil; 24 months operating life in air
- rinsing function: automatic rinsing of the measuring cell with ambient air when switching off
- batteries: NiMH batteries rechargeable

Technical data

Flow rate	1 - 3 l/h
Weight	5.1 kg with transport case and accessories
Ambient moisture	90 % relative moisture non condensing during operation
Measuring time	< 2
Operating voltage	100 - 265 V
Measuring principle	Electrochemical reaction
Dimensions (W x H x D)	360 x 165 x 290 mm with transport case
Long-term stability of SO_2 sensor	< 2 % signal loss of the SO_2 sensor per month
Operating temperature	-10 - 50 °C
Inlet pressure pe	0.5 - 10 bar
Indication	digital LED display (24 x 48 mm)
Frequency	50 - 60 Hz
Measuring accuracy of SO_2 sensor	< ±2 % of measuring range
Measuring range of SO_2 sensor	0 - 500 ppmv

Optional accessories

B151R96	Discharge gas collecting bag