

For measurement of the SO₂ concentration in gas mixtures

3-032-R...

Portable SO₂ measuring device with LED indication

Before maintenance works are carried out it is absolutely necessary to know the gas quality. This special equipment allows precise measurement of SO₂ in gas mixtures. Furthermore this device is very resistant against contamination and SF₆ decomposition products and is therefore a reliable instrument for each revision of circuit breakers.



- Minimization of the usual long term drifting
- No pressure and temperature influences on the measuring result
- Indication in ppm_v

Devices for determination of the SF₆ gas quality

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Technical data:

Dimensions (without handle): W 170 mm, H 85 mm, D 260 mm
Dimensions (with handle): W 210 mm, H 85 mm, D 315 mm
Dimensions (transport case): W 360 mm, H 165 mm, D 290 mm
Weight: 2.9 kg
Weight with transport case and accessories: 5.1 kg
Measuring principle: Chemical reaction
Available measuring ranges: R101 = 0 - 20 ppm _v R102 = 0 - 100 ppm _v R103 = 0 - 500 ppm _v
Measuring accuracy: < ± 2 % of the measuring range
Operating temperature: 0 - 40 °C
Ambient moisture: up to 90 % relative moisture, non condensing during operation
Input pressure: p _e 0.5 - 10 bar
Operating voltage: 100 - 265 V / 50 - 60 Hz
Connection: quick coupling
Response time: < 15 s (90 % of the final value)
Measuring time: < 2 minutes
Lifetime of the sensor: 6 months when storing in protective foil; 24 months operating life in air
Long term sensitivity drift: < 2 % of the SO ₂ sensor per month
Flow rate: 1 - 3 l _N / h
Rinsing function: automatic rinsing of the measuring cell with ambient air when switching off
Indication: digital LED display (24 x 48 mm)
Batteries: NiMH batteries rechargeable

Standard equipment:

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 off
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
Black plastic case
1 operating manual (multilingual) on CD-ROM

Optional accessories at an extra charge:

Additional operating manual on CD-ROM	6-0004-R213
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Packing:

Packing for 3-032-R...	3-775-R026-C
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