



# GMM2000

## Portable SO<sub>2</sub> Gas Measuring Monitor

### Determination of SF<sub>6</sub> Gas Quality



The GMM2000 is a highly specialised device enabling precise measurement of SO<sub>2</sub> in gas mixtures. It is very resistant against contamination and SF<sub>6</sub> decomposition products, and, therefore, a reliable instrument for each revision of circuit breakers.

#### Important Features

- Minimisation of usual long-term drifting
- No pressure and temperature influences on the measuring result
- Indication in ppm<sub>v</sub>

### Standard Equipment

SO<sub>2</sub> measuring device with digital display

Operation: Mains operated or with batteries (integrated battery charger with deep discharge protection and battery level indication)

Automatic rinsing of measuring cell when switching off

2m long connecting cable with mains plug

4m long connecting hose with quick couplings (DNS and DN20)

Output coupling for connecting a gas collecting unit

Robust housing with handle for placing and transportation

Black plastic case

1 Operating Manual

### Optional Accessories at an additional charge

Discharge gas collection bag (for putting emission-free measurement) coded B151R95

Additional Operating Manual 6-0004-R213

### Packing

Packing for unit 3-032-R002 is coded 05-1990-R004

## Technical Data

Dimensions: (without handle) W170mm x H85mm x D280mm
Dimensions: (with handle) W210mm x H85mm x D315mm
Dimensions: (transport case) W360mm x H165mm x D290mm
Weight: 2.9 kg
Weight with transport case and accessories 5.1 kg
Measuring principle: Chemical reaction
Available measuring ranges: R101 = 0 - 20ppm <sub>v</sub> , R102 = 0 - 100ppm <sub>v</sub> , R103 = 0 - 500ppm <sub>v</sub>
Measuring accuracy: < ± 2% of the measuring range
Operating temperature: -10 - 50°C
Ambient moisture up to 90% relative moisture, non-condensing during operation
Input pressure: p <sub>e</sub> 0.5 - 10 bar
Operating voltage: 100 - 265V / 50 - 60Hz
Connection: Quick coupling
Response time: < 15s (90% of the total value)
Measuring time: < 2 minutes
Lifetime of the sensor: 6 months when storing in protective foil; 24 months operating in air
Long term sensitivity drift: < 2% of the SO <sub>2</sub> sensor per month
Flow rate: 1-3l <sub>n</sub> / hr
Rinsing function: automatic rinsing of the measuring cell with ambient air when switching Off
Indication: digital LED display (24 x 48mm)
Batteries: NiMH batteries (rechargeable)

### NEBULAR Gas Instrumentation

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