

# Emission monitor for SF<sub>6</sub> gas

Analytic and detection instruments

**Device Name:** SF6 monitor

**Device function:** Indoor air monitoring for SF<sub>6</sub>-gas

**Device model number:** GA35 SF6-IR-Monitor

**Note:** Also available in 24VDC version.

## Specifications

### Measuring principle

Two wavelengths, non-dispersive infrared sensor

### Measuring range

0 ... 2,000 ppm<sub>v</sub>

### Monitoring area

≤ 250 m<sup>2</sup>

### Resolution

5 ppm<sub>v</sub>

### Accuracy

≤ 100 ppm<sub>v</sub> ±5 ppm<sub>v</sub>

> 100 ppm<sub>v</sub> ±2 %

### Permissible inlet pressure

800 ... 1,150 mbar abs.

### Warm-up time

Readiness for operation after 1 minute

Meets the specifications after 40 minutes

### Response time

< 30 s

### Display elements

1 LC display

2 alarm LED

1 error LED

### Controls

3 navigation keys

4 calibration keys

### Maximum hose length

30 m

### Permissible ambient temperature

Storage: -10 ... +60 °C

Operation: 0 ... +45 °C

### Permissible humidity

0 ... 95 % r. h.

### Ingress protection

IP 54

### Dimensions

W x H x D: 260 x 280 x 141

### Weight

2.5 kg

### Calibration interval

Recommended every 2 ye

## CE conformity

### EMC directive

2004/108/EC, EN 61326 e

interference immunity (indi

### Low voltage directive

2006/95/EC, EN 61010-1



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## Power supply

AC 90 ... 260 V, 50/60 Hz, 13 W

## Active current loop

Output signal: 4 ... 20 mA

Max. signal: 25.5 mA

Min. signal: 3 mA

Error signal: 0 mA

U<sub>max</sub> at 20 mA: ≤ 11 V

Load: 430 Ω

## Relay outputs

3 SPDT (change-over contacts)

(2 alarm, 1 fault)

Switching capacity:

AC 260 V, 8 A

DC 30 V, 8 A

## Audible alarm

Buzzer will sound if the value exceeds or drops below the set alarm values (direction of action settable, IDLE POLARITY)

## Accessories

	Description	Order no.
	Particle filter	14005137
	Sampling box	14015834
	Hose from PU (piece goods)	14007875

