

Room monitoring devices

For monitoring the air of SF₆ indoor plant in permanent operation

3-026-R115

SF₆ Air Sensor

The device even detects smallest SF₆ concentrations and displays the current measuring values permanently. For the operating personnel it is absolutely necessary to know that no radioactive source is used. Therefore no special measures must be taken during operation.

The SF₆ Air Sensor guarantees a quick reaction time. Furthermore, there is no cross sensitivity to moisture and unaffected by background contamination and the measuring result remains constant. Parameters for warning messages and alarm tripping are freely configurable.



- Measuring range: 0 up to 1,500 ppm_v SF₆
- High longtime stability
- No maintenance and consumables are required
- Indication of the measuring value via LCD on the front of the device
- Air pressure compensated
- Analogous and serial interface

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Technical data:

Dimensions: W 80 mm, H 150 mm, D 60 mm
Weight: 250 g
Measuring principle: NDIR (double beam)
Measuring range: 0 up to 1,500 ppm _v SF ₆
Measuring accuracy: < ±2 % of measured value
Long-time stability / drift: < ±2 % of measured value / year
Warming time: < 2 min (run-up), 15 min. (full specification)
Response time: < 2 min
Indication: directly via LCD
Operating voltage: 24 V DC, 160 mA, 3.9 W
Ambient moisture: max. 95 % relative humidity, non condensing during operation
Protection class: IP 41
Calibration / Maintenance: is not required due to the life time of sensor (about > 10 years)
Operating temperature: -10 to 40 °C

Standard equipment:

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 3-026-R115	3-948-R001
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Important note:

The device can only be used together with the SF₆ Network Monitor. It cannot be operated autonomously.

The device can also be connected with other devices to the SF₆ Network Monitor directly in order to build up monitoring points for SF₆ gas in the room via a network for monitoring.