

Gas detector

Model GPD-1000

WIKA data sheet SP 62.18

Applications

- Detection of SF₆ gas
- Detection of alternative insulating gases
- Leakage detection of halogenated coolants

Special features

- Two sensitivity levels, adjustable via a double click of the on/off button
- Automatic switch-off function in order to prevent unnecessary battery consumption
- Prevents the reading of erroneous measured values by means of a visual and audible signal notifying of a low battery level
- Replacement measuring tip in the instrument

**Gas detector, model GPD-1000**

Description

The model GPD-1000 gas detector is used for the detection of the smallest SF₆ concentrations and is thus ideally suited for locating the leakage. The approximate size of the leakage can already be quantified during operation via an acoustic signal.

Easy to use

The instrument is notable for its simple handling and good operability. Because of its low weight and its ergonomic form, this instrument is also the ideal partner for gas detection out in the field.

Leakage detection with this instrument is performed using a flexible gooseneck, which in turn has a gas inlet at the front. An interchangeable measuring tip prevents unforeseen incidents and ensures the availability of the instrument at all times. The pump in the console case provides continuous flow of the sucked-in gas mixture through the measuring tip of the instrument.

Specifications

Basic information	
Nominal size	150 x 34 x 55 mm [5.09 x 1.34 x 2.17 in]
Length of gooseneck	300 mm [11.8 in]
Case	Plastic
Audible signal	Yes
Sensor life	30 hours
Weight	190 g [0,42 lb]

Voltage supply and performance data	
Battery	
Voltage	2 x AA (2.4 ... 3 V)
Service life	35 hours

Operating conditions	
Operating temperature	0 ... 50 °C [32 ... 122 °F]
Humidity	0 ... 95 % relative humidity
Condensation	Non-condensing

Output signal	
Time response / Dynamic behaviour	
Warm-up time	< 2 seconds
Response time	< 1 second
Detection limit	3 ppm _v
Detectable leakage rate	< 3 g/year [0.1 oz/year]
Response time reset	< 1 second

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