sauermann®

FG 110

Gas leak detector

Easy to use

Indication of gas leaking in ppm, %vol or %LEL

Hold-min-max function

Adjustable back-light

Features

- Detection of gas such as methane (CH_4), propane and isobutane
- Hold function
- Alarm (from 1000 to 10 000 ppm)
- Display of minimum and maximum values
- Configurable auto shut-off
- Backlight

Technical specifications

Accuracy[1]	Measurement range in CH_4	Resolution
20% of full scale	From 0 to 10 000 ppm From 0 to 1% vol 0 to 20% LEL	1 ppm 0.001% vol 0.001% LEL

% LEL: is the limiting concentrations of gas (in air) that is needed for the gas to ignite and explode.
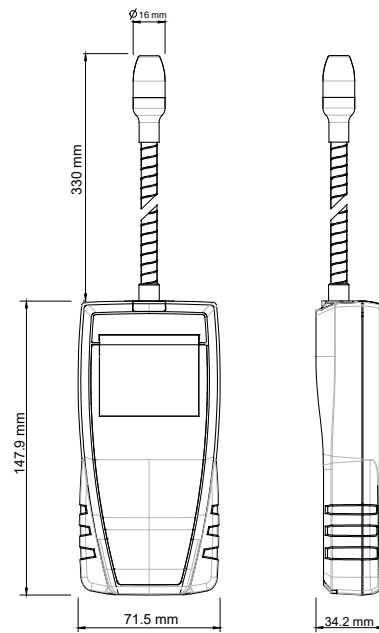Example for CH_4 gas: 100% LEL = 5% vol

% vol: is the concentrations of gas (in air) expressed in percentage of volume in air.
Example for CH_4 gas : 1% vol = 10 000 ppm

General features

Measurement units	ppm, %vol, %LEL
Measuring element	Semiconductor sensor
Display	4 lines, LCD technology. Dimensions 50 x 36 mm 2 lines of 5 digits with 7 segments (value) 2 lines of 5 digits with 16 segments (unit)
Probe	Flexible, 300 mm
Housing	ABS, protection IP54
Keypad	5 keys
European directives	2014/30/EU EMC; 2014/35/EU Low Voltage; 2011/65/EU RoHS II; 2012/19/EU WEEE
Power supply	4 batteries AAA LR03 1.5 V
Battery life	20 hours
Ambience	Neutral gas
Conditions of use (°C, %RH, m)	From 0 to +50 °C. In non condensing conditions. From 0 to 2000 m.
Storage temperature	From -20 to +80 °C
Auto shut-off	Adjustable from 0 to 120 min
Weight	295 g

Dimensions (in mm)

Ø 16 mm
330 mm
147.9 mm
71.5 mm
34.2 mm

Kit content

- Verification certificate
- Transport case (ref.: ST 110)

Accessories

Name	Reference
Magnetic protective housing	CQ 15
ABS transport case	MT 51

Warranty

Instruments have 1-year guarantee for any manufacturing defect (return to our After-Sales Service required for appraisal).

Maintenance

We carry out calibration, adjustment and maintenance of your instruments to guarantee a constant level of quality of your measurements. As part of Quality Assurance Standards, we recommend you to carry out a yearly checking.

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