

## DATA SHEET

# 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<sub>4</sub>), 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 <sup>(1)</sup> | Measurement range in CH <sub>4</sub>                     | Resolution                        |
|-------------------------|----------------------------------------------------------|-----------------------------------|
| 20% of full scale       | From 0 to 10 000 ppm<br>From 0 to 1% vol<br>0 to 20% LEL | 1 ppm<br>0.001% vol<br>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<sub>4</sub> gas: 100% LEL = 5% vol

% vol: is the concentrations of gas (in air) expressed in percentage of volume in air.  
Example for CH<sub>4</sub> gas : 1% vol = 10 000 ppm

<sup>(1)</sup>All the accuracies indicated in this technical datasheet were stated in laboratory conditions, and can be guaranteed for measurements carried out in the same conditions, or carried out with calibration compensation.

## General features

|                                   |                                                                                                                                              |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Measurement units                 | ppm, %vol, %LEL                                                                                                                              |
| Measuring element                 | Semiconductor sensor                                                                                                                         |
| Display                           | 4 lines, LCD technology. Dimensions 50 x 36 mm<br>2 lines of 5 digits with 7 segments (value)<br>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;<br>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<br>(°C, %RH, m) | From 0 to +50 °C. In non condensing conditions.<br>From 0 to 2000 m.                                                                         |
| Storage temperature               | From -20 to +80 °C                                                                                                                           |
| Auto shut-off                     | Adjustable from 0 to 120 min                                                                                                                 |
| Weight                            | 295 g                                                                                                                                        |

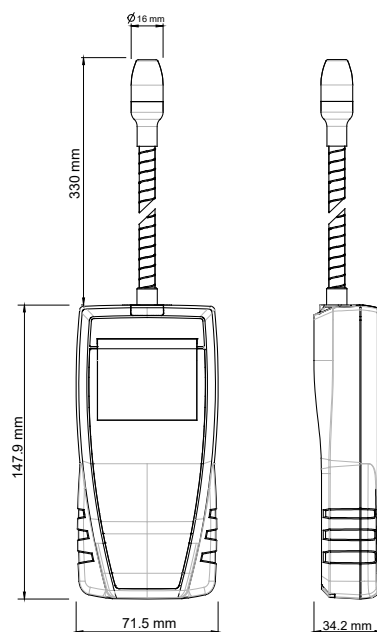
## Warranty

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.

## Dimensions (in mm)



## Kit content

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

## Accessories

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