

# DF 110

## Detector of refrigerant gases and hydrogen (H<sub>2</sub>)

### KEY POINTS

- Detection of all the HCFC and HFC refrigerants
- Detection of mixtures 5% hydrogen - 95% nitrogen (Nidron 5...)
- Heated diode sensor
- 3 modes of sensitivity (high, low and normal)
- Manual and automatic autozero

### TECHNICAL FEATURES

<b>Detected gases</b>	<b>HFC</b> : R134a, R404a, R407c, R410a, R32, R422a/b/c/d, R425a, R507a, R125 <b>HCFC</b> : R22 <b>CFC</b> : R12 et R502 <b>Others</b> : H <sub>2</sub> , R290, R600a, HFO-1234yf
<b>Measuring element</b>	Semi-conductor sensor
<b>Display</b>	13 leds : - 8 for the graphic visualization of thresholds - 3 for the sensitivity of detection - 2 for the battery level and manual autozero
<b>Indication</b>	LED : gradual lighting up when the gas concentration increases Audible : the beep frequency increases when the gas concentration increases
<b>Probe</b>	Flexible, 400 mm length
<b>Autonomy</b>	> 12 hours
<b>Housing</b>	Anti-choc ABS, protection IP54
<b>Keypad</b>	3 keys
<b>Conformity</b>	EMC 2004/108/CE and EN 61010-1 Directives
<b>Power supply</b>	4 AAA LR03 1.5 V batteries
<b>Ambiance</b>	Neutral gas
<b>Operating temperature</b>	From 0 to +50 °C
<b>Storage temperature</b>	From -20 to +80 °C
<b>Auto-extinction</b>	15 min
<b>Weight</b>	295 g



### REGLEMENTATIONS

The refrigerant gas detector complied with the EN 14624 standard that determines the following points :

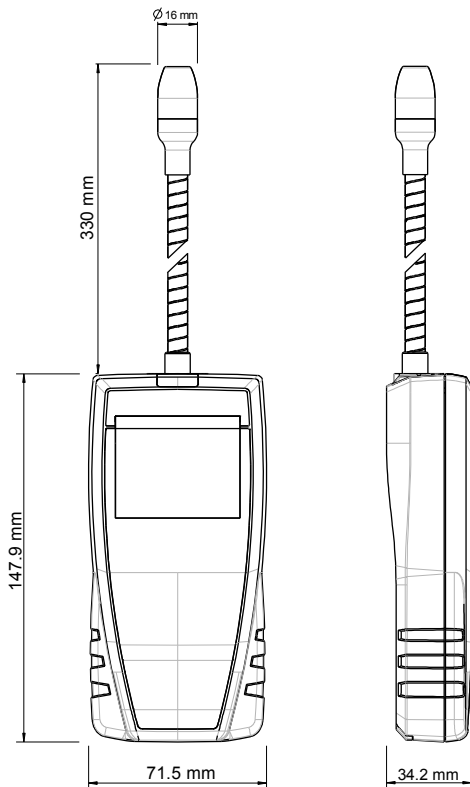
- **Fixed and on the go minimum threshold of sensitivity : 1 g/year (minimum)**
- **Minimum time of detection (1g/an) : 1 second**

### SPECIFICATIONS

Mode	Indicative measuring range (g/an)	Visual alarm
Low sensitivity ( "B" on the device)	From 0 to 300 g/an	All the leds (8) for 300 g/an
Normal sensitivity ("Norm" on the device)	From 0 to 30 g/an	All the leds (8) for 30 g/an
High sensitivity ("H" on the device)	From 0 to 3 g/an	All the leds (8) for 3 g/an

\*According to the decree number 2007-737

## SIZE



## WARRANTY

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

## SUPPLIED WITH

Devices are supplied with :

- Verification certificate
- Transport case
- Test sample containing refrigerant gas
- Filter



## ACCESSORIES

**CQD** : Magnetic protective housing



**MT 51** : ABS transport case



[www.kimo.fr](http://www.kimo.fr)

Distributed by :



**EXPORT DEPARTMENT**

Tel : + 33. 1. 60. 06. 69. 25 - Fax : + 33. 1. 60. 06. 69. 29

e-mail : [export@kimo.fr](mailto:export@kimo.fr)