

DATA SHEET

SI-RD3



Refrigerant leak detector



Detects most common refrigerants and mixtures



Visible and audible alarms



Highly sensitive: 0 – 3 g/year



30 cm flexible probe

Features

- Detection includes: all HCFC and HFC refrigerants, R1234yf, R1234ze, R290, R600a, and 5% hydrogen - 95% nitrogen mixtures (Nidron 5, Trace-A-Gas)
- Manual and automatic autozero. Immediately ready to use with no presets.
- Heated diode sensor
- 3 modes: Low, Normal and High sensitivity

Reglementations

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

- **Minimum threshold of sensitivity:**
Fixed: < 1 g/year at 3 mm
In moving air: 2 g/year, 2 cm/s at 3 mm
- **Minimum time of detection (1 g/year):** 1 second
- **Autozero:** 2 seconds
- **Recuperation time after exposition:** from 1 to 10 seconds (depending on detection level and threshold of sensitivity)

The detector is supplied with a verification certificate according to 2007-737 decree.

Technical specifications

Mode	Indicative measuring range (g/year)	Visual alarm
Low sensitivity ("L" on the device)	From 0 to 300 g/year	All the LEDs (8) for 300 g/year
Normal sensitivity ("M" on the device)	From 0 to 30 g/year	All the LEDs (8) for 30 g/year
High sensitivity ("H" on the device)	From 0 to 3 g/year	All the LEDs (8) for 3 g/year

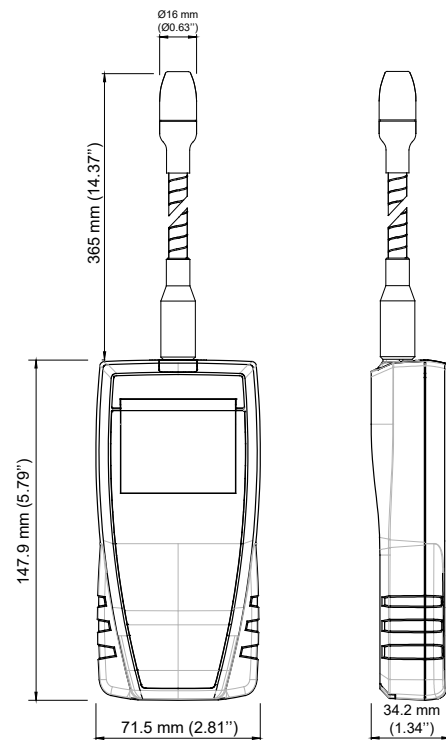
General features

Main detected refrigerants	HFC: R134a, R404a, R407c, R410a, R32, R422a/b/c/d, R425a, R507a, R125 HCFC: R22 CFC: R12, R502 Others: 5% hydrogen - 95% nitrogen (Nidron 5, Trace-A-Gas), R290, R600a, R1234yf, R1234ze
Measuring element	Semiconductor sensor
Display	13 LEDs: 8 for the graphic visualization of thresholds 3 for the sensitivity of detection 2 for the battery level and manual autozero
Indication	LED: gradual lighting up when the gas concentration increases Audible: the beep frequency increases when the gas concentration increases
Probe	Flexible, 300 mm length
Autonomy	> 12 hours
Housing	ABS topsafe, protection IP54
Keypad	3 keys
European directives	2014/30/EU EMC; 2014/35/EU Low Voltage; RoHS 2011/65/EU (EU)2015/863; 2012/19/EU WEEE
Power supply	4 AAA LR03 1.5 V batteries
Ambiance	Air and non-corrosive gases
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-extinction	15 min
Weight	295 g (10.4 oz)

Maintenance

We realise the check, adjustment and maintenance of your devices to guarantee a constant quality level of your measurements. According to the quality assurances standards, we recommend a yearly checking. We recommend to check regularly that the nozzle of the detector and that its filter are clean in order to guarantee the performances of the device.

Dimensions



Kit content

- Verification certificate
- Carrying bag
- Quick Start Guide
- Filter

Accessories

Name	Reference
Magnetic protective housing	CQ 15