

Handheld multi-range gas leak detector for R1234yf

- Handheld multi-range gas leak detector with suction pump for the selective detection of the refrigerant R1234yf
- Display of the detected gas concentration value from low ppm range up to 2000 ppm/0,1 g/a up to 245 g/a
- Additional display of the detected gas concentration value from low ppm range up to 1000 ppm by bar graph
- Additional display of concentration thresholds (g/a) by LED (optional customized factory calibration)
- Automatic zero setting and measuring range change-over
- Intermittent tone signal reflecting concentration value by speed and continuous tone signal if detected concentration value > 2000 ppm/245 g/a (can be switched off)
- Automatic sensor check with error recognition
- Separate charger for recharging of built-in battery power pack



Selected technical data

Measurement range R1234yf	1 ppm ... 999 ppm, 0,1 Vol%... 0,2 Vol% 0,1 g/a... 245 g/a (at 50 ml/min flow rate)
Resolution	1 ppm / 0,1 Vol%, 0,1 g/a depending on the display range
Response time	ca. 2 s
Time to operation readiness	< 120 s
Gas sensor	MOX gas sensor UST Triplesensor®
Flow rate of suction pump	ca. 50 ml/min
Dimensions (Length x Width x Height)	ca. 180mmx50mmx28mm (without sensor extension flex)
Sensor extension flex (Length)	ca. 300 mm (standard), ca. 500 mm (optional)
Net weight	ca. 420 g (without charger)
Power consumption	ca. 0,85 VA
Rechargeable battery power pack	4 x 1,2 V NiMH to be charged from the mains using the charger supplied with the gas leak detector

Operating time (battery power pack is fully charged)	ca. 6 h
Allowable operating tempe- rature	-5 °C... +40°C
Allowable storage and transportation temperature	-25 °C ... +70°C
Allowable storage and transportation humidity	20... 80 % r. H. (non- condensing)
Allowable conditions for operating, transport and storage	Any contamination of the gas sensor must be avoided. The application, transport and storage environment has to be free of any contamination, particularly protected against chemical substances, e.g. silicones. In particular directly contact with substances containing, silicones, sulphurous substances or non-desorbing inorganic com- ponents or contaminations (e.g. smoke, fumes, oils, greases or evaporating liquids) may cause damaging the sensor or to changes in the sensor resistance and/or in the sensor characteristics. Possible consequences are reduced sensitivity, display of misleading concentration values, or display of a background concentration.
Conformity	2011/65/EU: Restriction of the use of Hazardous Sub- stances Directive (RoHS)

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