



MRU – Competence in gas analysis. For over 35 years.

400GD

Multifunction detector
and measuring device.

Supplied & Serviced by;

 **Q Instrument Services**

Bishopstown, Cork.

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**With practical
sensor quick change system.**



400GD

Small, handy, easy to handle

Multifunction detector and measuring device

- Sensor change during operation possible, automatic recognition by the device
- Optical alarm at the sensor and on the display of the device (only leak detection)
- Acoustic and vibration alarm by the device (only leak detection)
- Adjustable alarm thresholds (only leak detection)
- Indication of gas concentration in ppm, % and %LEL (HC-sensor)
- Strong Lithium-Ion battery, chargeable via Mini-USB socket
- Display of measurement results also as QR code (forwarding measuring results via e-mail)



Sensor quick change system

The suitable sensor for every application



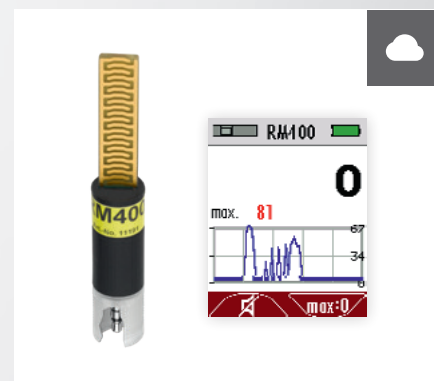
Leak detection on air conditioners

RF-sensor (refrigerant)



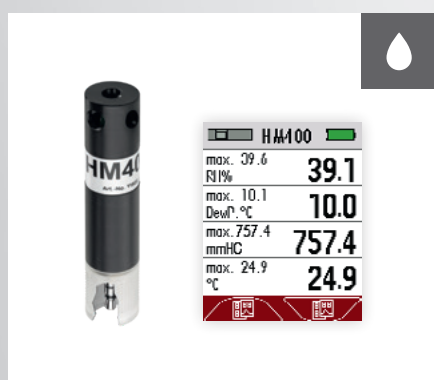
Leak detection on gas installations

HC-sensor (flammable gases)



Spillage test on flue gas systems

RM-sensor (spillage test)



Check of indoor climate

HM-sensor (humidity, temperature, barometric pressure and dew point)



Contactless temperature measurement

IR-sensor (surface temperature)



Measurement of carbon monoxide in ambient air

CO-sensor



Measurement of carbon dioxide in ambient air

CO₂-sensor



LED flashlight

21 lumen, 5,000 K



Practical accessories

Test and calibration set as well as transport and storage case

400GD

Technical data

400GD basic unit	
Rel. humidity during operation, non-condensing	95 %
Display	45 mm (1.8") TFT
Interface (Charging/firmware updates)	Mini-USB
Built-in battery, operating time (depending on sensor)	Li-Ion, typ. 20 h
Operating conditions	+5 ... +50 °C
Storage conditions	-20 ... +60 °C
Power supply/consumption	100 ... 240 V, 5 V DC, 500 mA
Protection class	IP30
Dimensions (W x H x D)	50 x 135 x 35 mm
Weight	approx. 230 g

Criteria sensors	Description	Measuring range	Resolution	Response time
CH ₄ (Leak detection gas)	HC-sensor	0 ... 44,000 ppm	1 ppm	< 5 sec.
C ₃ H ₈ (Leak detection gas)	HC-sensor	0 ... 17,000 ppm	1 ppm	< 5 sec.
H ₂ (Leak detection gas)	HC-sensor	0 ... 40,000 ppm	1 ppm	< 5 sec.
Spillage test	RM-sensor	0 ... 100	1	< 1 sec.
Humidity (Indoor climate)	HM-sensor	0 ... 100 % RH	0.1 %	
Temperature (Indoor climate)	HM-sensor	0 ... +60 °C	0.1 °C	
Barometric pressure (Indoor climate)	HM-sensor	300 ... 1,100 hPa	0.1 hPa	
Dew point (Indoor climate)	HM-sensor	calculated from humidity and temperature		
Temperature	IR-sensor	-70 ... +380 °C	0.1 °C	
Carbon monoxide measurement	CO-sensor	0 ... 1,000 ppm	1 ppm	< 30 sec.
Carbon dioxide measurement	CO ₂ -sensor	400 ... 10,000 ppm	1 ppm	90 sec.

Leak detection refrigerant	
Description	RF-sensor
Reference refrigerant	R134a, H2, R410a, R1234Ze
Detectable refrigerant	FCKW, HFCKW, FKW, HFKW, HFO
Measuring range	0 ... 1,000 ppm
Resolution	1 ppm
Detection limit	3 g/year
Response time	< 3 sec.

Data subject to change without notice. | N-11875EN-H0-5-720-5DE

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