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

400GD

Multifunction detector and measuring device.

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

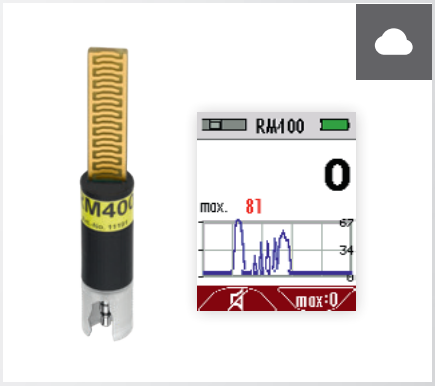
The suitable sensor for every application

Leak detection on air conditioners

RF-sensor (refrigerant)

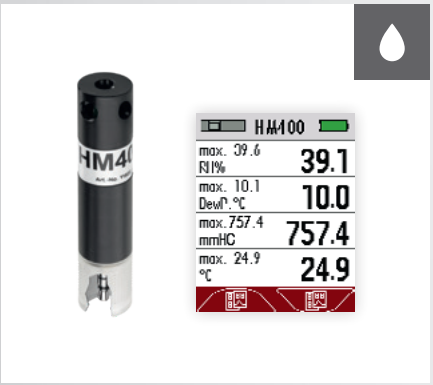
Leak detection on gas installations

HC-sensor (flammable gases)



Spillage test on flue gas systems

RM-sensor (spillage test)



Check of indoor climate

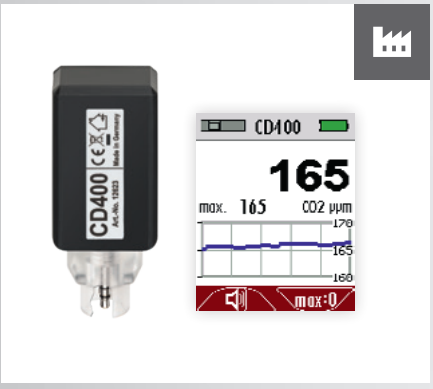
HM-sensor (humidity, temperature, barometric pressure and dew point)

Contactless temperature measurement

IR-sensor (surface temperature)

Measurement of carbon monoxide in ambient air

CO-sensor

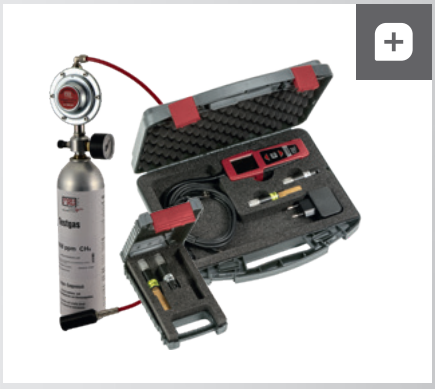


Measurement of carbon dioxide in ambient air

CO_2-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_3H_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.

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