

400GD

Gas leak detector

now
with
exchangeable
sensor



Leak detection on air conditioning units
Refrigerant



Leak detection on gas installations
Flammable gases



Spillage test on flue gas systems
Flue gas back pressure



Check of indoor climate

Humidity, temperature, barometric pressure
and dew point



Contactless temperature measurement

Surface temperature

Multifunction detector and measuring device

- Sensor change during operation possible, automatic detection 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 (for e-mail delivery)



Practical case for device, power supply and sensors



Sensor box for up to 3 sensors

Technical specification:

Gas Detector 400GD, basic unit

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

Leak detection refrigerant (RF sensor)

Description	RF-sensor
Ref.-refrigerant	R134a, H ₂ , R410a, R1234Ze
Detect. refrigerant	FCKW, H7CKW, FKW, H7KW, HFO
Measuring range	0 ... 1.000 ppm
Resolution	1 ppm
Detection limit	3 g / year
Response time	< 3 sec.

Leak detection gas (HC-sensor)

Description	Range	Resolution	Response time
CH ₄ -Sensor	0 ... 44.000 ppm	1 ppm	< 5 sec.
C ₃ H ₈ -Sensor	0 ... 17.000 ppm	1 ppm	< 5 sec.
H ₂ -Sensor	0 ... 40.000 ppm	1 ppm	< 5 sec.

Spillage test (RM-sensor)

Description	Range	Resolution	Response time
RM-sensor	0 ... 100	1	< 1 sec.

Indoor climate (HM-sensor)

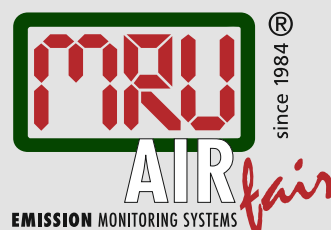
Criteria	Range	Resolution
Humidity	0 ... 100 % RH	0,1 %
Temperature	0 ... + 60 °C	0,1 °C
Barometric pressure	300 ... 1.100 hPa	0,1 hPa
Dew point	calculated from humidity and temperature	

Temperature (IR-sensor)

Description	Range	Resolution
IR-sensor	- 70 ... + 380 °C	0,1 °C

MRU - over 30 years of innovative gas analysis

MRU representative:



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