

G450 – Microtector II

small, economic & reliable



- Up to 4 gases simultaneously: O₂, H₂S, CO and combustibles
- Big graphic display changing colors for alarm, bright all-round alarm, 103 dB buzzer (restrictable to 90 dB)
- Robust design, IP67 (watertight), only 280 grams
- Up to 24 hours of operation
- Disposable or rechargeable batteries
- Data logging facility

Worldwide Supplier of Gas Detection Solutions



G450 - Microtector II

Watertight design

The compact and lightweight 4-Gas detector measures H₂S, CO, O₂ and combustibles in ambient air. Its functional and watertight design (IP67) meets all requirements of harsh environments.

Easy handling

The big graphic display provides clear reading of all detection values. The simple menu drive allows an intuitive handling of the 280 gram detector.

Longlife sensors

The pre-calibrated electrochemical sensors are recognized automatically and provide permanently precise measurement values.

The long sensor life minimize your cost of ownership.

Long operation time

Depending on the frequency of alarms and sampling cycles the operational time is up to 24 hours (with 4 sensors). The batteries are recharged after only four hours.



Battery with light

Perfect alarm system

The extremely loud audible alarm (103 dB in 30cm) and bright all-round LEDs provide a reliable warning from gas hazards.

With changing alarm status, the display changes its color from green to orange or red. The detector allows to set up to three alarm levels. The pre-alarm can be reset, the main alarm is latching.



Pump

Battery status and readiness of operation are monitored permanently and give alarm, if necessary. TLV, TWA and STEL values are also monitored. A vibrating alarm is available on request.



Sampling pump

For confined space detection in vessels, sewers or rooms the G450 offers a separate electrical HD sampling pump. Insufficient gas flow (e.g. due to bent tubing) the detector triggers a flow alarm.

Data logger

The optional data logger records gas concentrations and alarms over a period of 50 hours. These data can be transferred to a PC for evaluation and visualization.



Smart Cap & Smart Charger

Easy reading

Turn the display by 180° by just pushing a button – this allows an easy reading even if you carry the detector at your belt.



Docking station

G450 - Technical Data

Dimensions (H x W x D)

90 x 140 x 55 mm

Weight

280 g

Power supply

2 AA batteries or
NiMH / Li battery pack

Operational time

Up to 24 hours (4 sensors)

Charging time

< 4 hours

Ambient conditions

-20°C to +50°C
5 to 95 % r.h.

Alarms

103 dB (in 30 cm) audible alarm
(restrictable to 90 dB).

Bright 360° LEDs & heterochromatic background illumination depending on alarm status. Vibrating alarm

Accessories

Electrical HD pump, charger, data logger, battery with vibrating alarm, battery with light,

SD-Card



Calibration cap

Smart Charger



Charging, calibrating,
data transfer

Different Clips



Crocodile



Belt

Gas	Range	Resolution
CH ₄	100 % LEL	1 %
O ₂	25 % vol	0.1 % vol
CO	300 ppm	1 ppm
H ₂ S	100 ppm	1 ppm

Ingress protection

IP 67

Approvals*

ATEX II 2G EEx Ia d IIC T3/4
UL Class I, Div 1, Group A, B, C, D
CE Electromagnetic Compatibility
(guideline 89/336/EEG)