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



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Watertight design

The compact and lightweight 4-Gas detector measures H-S. 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.

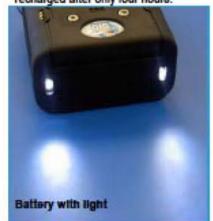
Longlife sensors

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.



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.



Battery status and readiness 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.



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.



100 % LEL

25 % vol

300 ppm

100 ppm

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) SD-Card

Charging time < 4 hours

Ambient conditions -20°C to +50°C 5 to 95 % r.h.

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, Different Clips



Calibration can



Charging, calibrating,



Belt

Ingress protection IP 67

CH4

02

CO

H₂S

Approvals*

ATEX II 2G EEX la d IIC T3/4 UL Class I, DIV 1, Group A, B, C, D C€ Electromagnetic Compatibility (guideline 89/336/EWG)

Resolution

1%

0.1 % vol

1 ppm

1 ppm