

USER MANUAL



GENERAL INFORMATION

Portable gas detector GS-500 is a practical gas leak detector for detection of hydrocarbon gases, including methane and propane gas.

FEATURES

- LCD display;
- LED light;
- Gooseneck
- Sensitivity adjustment;
- Zeroing;
- Possibility of calibration;
- Differential sound signalization;
- Preadjusted alarm level;

SAFETY INFORMATION


- Operate the instrument only within the parameters specified in the technical data;
- Do not use GS-500.EX as monitoring instrument for your own personal safety;
- Avoid electrical hazard - do not measure on or near live parts;
- Do not use force;
- Do not paint the instrument;
- Never store instrument together with solvents;
- Disposal of defective rechargeable batteries and spent batteries at the collection points provided.

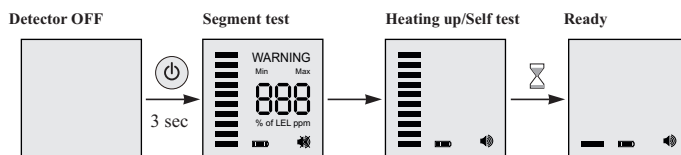
TECHNICAL DATA

Feature	Values
Detected gases	Hydrocarbon gases
Lower concentration detected:	10 ppm
Heating-up time	20 sec
Power supply	2 batteries, type AA
Battery life	Approx 8h
Signalization	Audible
Alarm level	20% LEL
Working temperature	-20 to +50°C
Relative humidity	30 - 90% RH
Sizes	160x45x20mm
Weight	0,176kg (without batteries)
Colour	White (RAL 9003)
EU Directive	89/336/EEC

OPERATION

Switch-ON



Switch detector ON in fresh air and wait for sensor self test and initialization. To switch ON press and hold  at least 3 sec.




Detecting leaks

- Position the detector such that the sensor opening is into the ambient air in the tested area. Do not cover the surface of the sensor
- The 10 bar symbols change to black according to the concentrations detected. The frequency of the audible signal rises with increasing gas concentrations.
- If the alarm level is exceeded, alarm symbol WARNING lights up.

Sensitivity adjustment

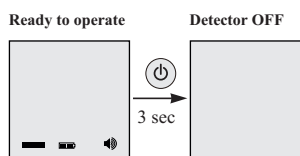
- To increase sensitivity - press 
- To decrease sensitivity - press 

Zeroing

This function enable resetting bargraph indicator. To reset bargraph to zero level short press 

Switch-OFF

To switch OFF press and hold  for at least 3 seconds.








LED light

To switch LED light ON/OFF short press 

MAINTENANCE AND SERVICE

Adjusting alarm level:

- Press and hold   for at least 5 sec;
- Place the instrument in clean air and press 
- Apply calibration gas mixture CH₄ into air with concentration 20 - 50% LEL and press 
- To complete adjusting press 


Changing the battery:

1. Open battery section
2. Remove spent batteries and replace with new. Observe polarity.
3. Close battery section.

Cleaning gas detector

The gas detector housing must be cleaned with a damp cloth. Do not use organic solvents or abrasive cleaning agents.

TROUBLESHOOTING

Problem	Possible causes	Remedy
Detector can not be switched ON.	Batteries are spent.	Replace batteries.
 lights up in display.	Battery life expiring.	Replace batteries.
SOS sounds.	Sensor fault.	Contact customer service.