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BEFORE OPERATING

The Gas Leakage Detector detects the presence of potentially harmful propane, butane, acetylene and methane (natural gas). Activation of the detector's visible and audible signals indicate the presence of combustible gases. Careful use of this detector will provide years of reliable service.

Specifications :

Measurement ranges : 0 - 10,000 ppm

Operating voltage : 3V DC (1.5V x 2 pcs.) AAA / LR03 / AM4 etc. Alkaline type

Max. operating current : <200mA

Operating conditions : 10° - 50°C ; < 95% RH

Storage conditions : 5° - 55°C ; < 95% RH

Power On : Press and hold for 3 seconds

Auto power off : approximate 3 minutes

Indications :

Green - Power ON with short beep / Safe with no alarm

Yellow - Lo alarm with short beep

>2000ppm (0.2%) of methane (natural gas) detected

Red - Hi alarm with long beep

>4000ppm (0.4%) of methane (natural gas) detected

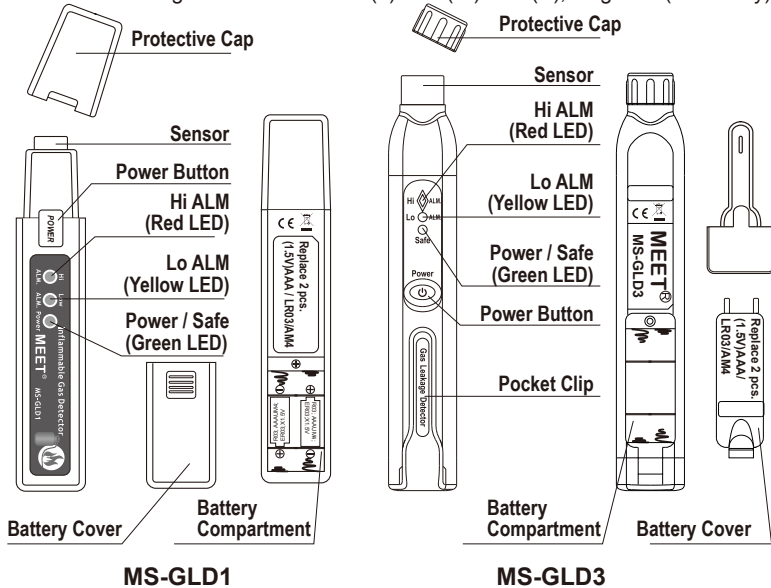
Low battery indication : Green LED keeps blinking or no LED lights

Detectable gas : Propane, Butane, Acetylene, Methane (Natural Gas)

Calibration : No calibration is required

Dimension and weight - MS-GLD1 : 148 (L) x 27 (W) x 23 (D), 38 grams (no battery)

Dimension and weight - MS-GLD3 : 165 (L) x 27 (W) x 26 (D), 44 grams (no battery)



MS-GLD1

MS-GLD3

How to replace battery

Replace 2 pcs. 1.5V AAA / LR03 / AM4 alkaline type fresh batteries according to the polarity shown (inside the battery compartment) when the Green LED keeps blinking or no LED lights after 3 seconds when pressing on the Power switch

01 GLD3 V.00



Gas Leakage Detector

Detect potentially harmful gas leakage

**AUDIBLE**Model No.: MS-GLD1 Model No.: MS-GLD3

Batteries not Included



HOW TO OPERATE

SELF - TEST

*** Prior to use, always perform a self-test to ensure guaranteed indication.**

Press and hold the Power switch for 3 seconds until LEDs light up. Green / Yellow / Red LED will light in order and repeatedly for about 12 seconds and then stop at Green with a short beep. The unit is ready for use.

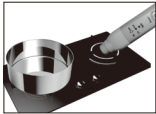


In an open area, release a small amount of gas from a butane lighter (**NO FLAME !**) in front of the sensor (with the protective cover removed). The Yellow or / and Red LED light up with an audible sound indicating normal functioning, butane (natural gas) is detected.

Gas Leakage Detection



Keep the detector Green LED lights up, remove the protective cap, place the sensor 0.5" from the potential leakage area and scan slowly along the gas pipe, joins or fittings.



If gas is detected, the detector will give an audible sound and either Lo or Hi alarm LED and buzzer indication.

The Gas Leakage Detector senses propane, butane, acetylene and methane (natural gas). Each of these gases will have different flammable and explosive levels.

Please refer to the following charts for the measuring ranges when the Yellow / Red LED illuminates for approximately reference only.

Gas Type	Yellow LED	Red LED
Butane	>0.08% or >800 ppm	>0.17% or 1700 ppm
Propane	>0.09% or >900 ppm	>0.2% or 2000 ppm
Acetylene	>0.09% or >900 ppm	>0.2% or 2000 ppm
Methane (Natural Gas)	>0.2% or >2000ppm	>0.4% or 4000 ppm

Important information

- 1 Always keep the sensor clean and dry.
- 2 Do not touch the sensor.
- 3 Do not try to open the detector.
- 4 Do not drop or strongly vibrate the detector.
- 5 Store the detector in a cool and dry place with the sensor well covered by the protective cap when not in use.
- 6 Remove battery if to be stored for long time.
- 7 Clean with soft and dry cloth. Do not use solvents, liquid, abrasives, etc.
- 8 The detector should not be used in damp and dusty environment.
- 9 In case the Red alarm indicator is ever illuminated, you are recommended to contact your gas service provider.
- 10 Save this instructions.