

# Gas Leak Detector

- Detects methane and propane gases
- Quick to pinpoint gas leaks
- Automatically calibrates at power-on
- Less than 60 second warm-up time
- Auto power off function
- Response time of less than 10 seconds
- 5-level LED alarm
- Over 440mm long flexible probe
- Built-in earphone jack
- Mute function



## Operation

Press button 1 (Fig. 1) to turn the meter on and off.

After a 60 second warm-up the meter is ready to use and the Ready LED (Fig. 2) will light up.

The unit will turn off automatically after 10 minutes of inactivity.

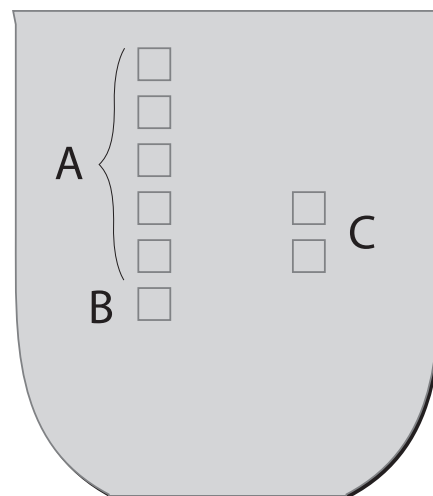
When battery supply is low, the low battery indicator will show (Fig.2). Change the batteries.

**NOTE:** To ensure accuracy, perform the warm-up in clean air.



Keypad (Fig. 1)

## Display & Connections



Normal Operation (Fig. 2)

**A** = Gas level in ppm  
**B** = Ready LED  
**C** = Battery level



Side Panel (Fig. 3)

**A** = Mute button  
**B** = Headphone jack  
**C** = 9V DC adaptor

# Use

Turn the meter on and wait for the warm-up to complete. Once it has done, the Ready LED (Fig. 2) will light up and the unit is ready to use.

**NOTE:** If the unit is switched off, even for a short period of time, it will need to perform the warm-up routine again.

As long as the meter is functioning correctly and battery power is sufficient, the Battery OK LED will also be lit.

The meter will beep once every second to assure that it

is in normal working status. The frequency of the beeps will increase as detected gas concentration gets higher.

Beeps will be muted if a set of headphones are attached or the Mute button on the side of the unit is selected (Fig. 3).

To check pipe leakage, move the sensor towards the pipe and slide it along the length. Repeat this procedure for the other side of the pipe. If the sensor detects a leak, one of the gas level LED's will light up and the frequency of the beeps will increase.

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## Notices

### ■ Situations which must be avoided

- Environments where the sensor may come into contact with silicone vapour
- High exposure to corrosive materials (e.g. H<sub>2</sub>S, SO<sub>x</sub>, CL<sub>2</sub>, HCl etc.) which can corrode or break the lead wires or heater material
- Exposure to alkaline metals, especially salt water spray
- Excessive exposure to water
- Exposure to extreme low temperatures where freezing could occur
- Areas with a zero or low oxygen atmosphere. Unit operates most effectively at around 21% ambient oxygen environment

### ■ Situations to be avoided whenever possible

- Exposure to excessive levels of condensation which can effect the sensor
- Long exposure to high density gas
- If storing the unit for a lengthy period of time, seal in a bag with clean air.

(**NOTE:** If the unit is not used for a significant period of time, it will require a longer warm-up time. To avoid this, power-on the unit periodically)

- Avoid exposure to conditions of extreme humidity, temperature or contamination levels as these will affect sensor performance

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## Specification

### ■ Methane

Range of 40 - 640ppm

### ■ Propane

Range of 35 to 580ppm

Sensitivity of 35ppm

### ■ Warm Up

60 seconds

### ■ Operating Ranges

From -5 °C ~ 45 °C

### ■ Probe Length

447mm

### ■ Response Time

10 seconds

### ■ Power

4 pcs AA batteries, 9V DC adaptor (**not supplied**)

### ■ Battery Life

14 hours (continuous working)

### ■ Power-off

10 minutes from power-on

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## Troubleshooting

### ■ Meter does not turn on

Press and hold button 1 for more than 0.2 seconds. Check whether batteries are in good contact and correct polarity is observed. Replace batteries and try again.

### ■ Ready LED is not on after 60 second warm-up

Check that the probe is on good contact with the rest of the unit. If LED is still off, please return the meter to the dealer for repair.