



# EGA1 Mini Gas Sniffer

**Hand-Held Combustible Gas Leak Detector**

**Features**

- **Monitors leaks in gas pipelines**
- **Light weight, compact, easy to use**
- **LED bar graph and intermittent acoustic alarm**
- **"Confidence" beep and Low Battery indication**
- **Fast response and high sensitivity**
- **Alkaline or rechargeable battery operation**
- **Sensor fault indication**

The Mini Gas Sniffer is a hand-held, Hydrocarbon gas leak detector that is highly sensitive, rugged and accurate. Its LED scale and beeper effectively pinpoint small leaks in piping or appliances, and inaccessible areas are reached with the 8" (200mm) long flexible probe.

Lightweight, compact and easy to use, the Mini Gas Sniffer employs solid-state sensors that provide improved sensitivity, low power consumption and extended service life. Some detectable gases are: methane, butane, propane and LPG. The Mini Gas Sniffer operates with either alkaline or Ni-MH rechargeable batteries.

Gas concentrations are indicated using 5 red LEDs and a proportional frequency buzzer as shown at right.



**Specifications**

Detected gases.....	Methane, Butane, Propane, LPG, etc.
Sensitivity.....	40 ppm
Range.....	0-640 ppm methane: 0-960 ppm propane
Response Time.....	Less than 2 seconds
Warm-Up Time.....	40 seconds maximum
Typical Sensor Life.....	3 years
Indicators:	
• Warm Up.....	Green LED on "Battery OK"
• Ready.....	Green LED on "Ready" and intermittent beep
• Battery Low.....	Red LED on "Battery Low"
Power.....	4 alkaline or Ni-MH rechargeable batteries (type AA)
Battery Life.....	Alkaline 25 hours for continuous operation. 2 months operation at 10 min. per day.
Auto Off.....	10 minutes
Recharge Time.....	12 hours to 90% with instrument switched off
Operating Temperature	23° to 113° F (-5° to 45° C)
Storage Temperature...	14° to 120° F (-10° to 50° C)
Dimensions.....	7.1 x 3.1 x 1.4 in. (180 x 80 x 35 mm)
Probe Length.....	7.9 inches (200mm)
Weight.....	1 lb. (450g) including batteries
Warranty.....	1 year

*Specifications subject to change without notice.*

## Operational Information

### Battery

The instruments may be powered by alkaline or, optionally, rechargeable batteries. Battery power is supplied by 4 "AA" batteries.

When the "LOW BATTERY" LED comes on, replace or recharge the batteries. To open the battery compartment, press gently on the middle of the sliding panel (located on the rear of the instrument) and slide it. Remove the batteries and replace with 4 AA batteries. Be sure to insert the new batteries so they point in the proper direction.

Rechargeable kit (batteries+charger) can be optionally supplied. To charge the batteries use original charger only.

**REMOVE THE BATTERIES IF THE UNIT IS NOT USED FOR LONG PERIODS OF TIME.**

### Operation

Turn the instrument on by pressing the ON/OFF switch for more than 1 second.

After switch on, a warm up period is programmed, to bring the sensor to its operative condition. During this phase a special compensating circuit automatically allows for background levels of gas to be subtracted as well as limiting the effect of environmental changes (temperature and humidity).

The warm up time required, at first switch on, is approximately 40 seconds.

When the warm-up period is finished, the "READY" LED will light and the instrument will be ready to measure.

During operation a "confidence" beep is continuously present to assure the operator of the active condition of the instrument.

**IT IS RECOMMENDED THAT THE SENSOR BE EXPOSED TO CLEAN AIR DURING THE WARM-UP PERIOD.**

An auto power-off function is factory programmed for 10 minutes.

#### MEASUREMENT:

*To check leaks from the pipe proceed as follows: bring the sensor to the pipe; slide the sensor slowly along the pipe; repeat the procedure on the other side of the pipe. When the instrument nears a leak, the bar graph will light and the beep increases proportionally to the measured gas concentration. Switch the instrument off by pressing the ON/OFF key for more than 1 second.*

### Display

A simple, easy to read, LED bar graph display and a proportional frequency beep, indicates the concentration of gas measured as follows:

PPM		Beeps	Red LEDs 1-5
C <sub>3</sub> H <sub>8</sub>	CH <sub>4</sub>		
60	40	1	■
120	80	2	■ ■
240	160	3	■ ■ ■
480	320	5	■ ■ ■ ■ ■
960	640	8	■ ■ ■ ■ ■ ■ ■ ■

### Warnings

Do not expose methane sensors to silicone and acylcyanide vapors.

Do not use LPG lighter to check the sensor.

The instrument displays the gas concentration level near the sensor. The instrument is not able to compute the exposure time vs. concentration.

If the instrument reaches the saturation point (all LEDs on) gently shake the sensor in clean air for several seconds to return to normal operating conditions.

### CE Mark

All products are designed and produced to fulfill the prevision of the directive n. 89/336/CEE Electromagnetic Compatibility.

### Accessories

Item	Description
10002670	Charger, battery, 120VAC USA.
10002671	Case, soft vinyl, with belt clip.
10005395	CH4 Sensor

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