



HAZARDOUS LOCATIONS

PERSONAL COMBUSTIBLE GAS MONITOR

MODEL 101

DESCRIPTION

The **Model 101 Personal Combustible Gas Monitor** is the ideal device for working in battery rooms, combustible gas storage and processing areas, refineries, laboratories, and other areas where the potential exists for a flammable concentration of gas in the air. This handy unit produces an unmistakable 90 dB modulating tone whenever the level of combustible gas rises above its setpoint. A heavy-duty "memoryless" NiCad battery provides a minimum of 24-hour use on a single charge. An earphone is included for use in especially noisy areas, along with a calibration cap and tubing. The **Model 101C** charger accessory will fully charge the unit in less than two hours. This device is ideal for proving an atmosphere safe before opening explosionproof enclosures that may contain energized equipment.

FEATURES

- *Intrinsically safe, Class I, Division 1, Groups A, B, C, D (IEC Ex ia)*
- *Five-minute calibration*
- *90 dB alarm tone*
- *Key sequence required to turn off to protect against accidental disabling of the monitor*
- *24-hour operation without recharging*
- *Handy stainless steel belt clip*
- *LED status indicator – on, service required, alarm*
- *Corrosion and water resistant*



DIMENSIONS / OPERATION

Dimensions	6.5"L x 2.1"W x 1.25"D (16.7 x 5.5 x 42 cm)
Operation	Complete operation and maintenance instructions included with each shipment

CAUTION: User calibration is recommended initially and at 90-day intervals to provide safe and successful operation of the Model 101 personal combustible gas monitor. Read the instruction manual carefully to provide proper operation.

SPECIFICATIONS

Sensor type	Catalytic combustion bead pair	Charge time	Two hours maximum
Gas detected	All combustibles	Protection	Water, shock, and sensor poison resistant
Range	0% to 100% LEL (equivalent to 0% to 5% methane)	Agency approvals	CE, CSA approved; OSHA recognized Ex [ia]
Alarm point	Set by user at calibration (20% LEL recommended)	Area	Intrinsically safe for Class I, Div 1, Groups A, B, C, D
Response time	10 sec to 50% of final value	Weight	
Temp range	-13° to 140°F (-25° to 60°C)	101	0.9 lb (0.4 kg)
Humidity	0% to 95% noncondensing	101C	2.6 lb (1.2 kg)
Alarm	90 dB 5 kHz modulating plus flashing red LED		
Battery life	24-hour min per charge		

ORDERING INFORMATION

MODEL	DESCRIPTION
101	Personal combustible gas monitor
101C	Battery charger with AC adapter
GAS-CH4-1	1% methane in air calibration gas (20% LEL), 17L
UCK-1	Universal calibration kit with regulator for non-corrosive gases