

# PORTABLE AREA GAS LEAK MONITOR



**FOR TEMPORARY  
CONSTRUCTION, REPAIRS SITES, DRILLING RIGS, ACCIDENT SITES**



**PL 4000**

Rugged & Robust, Model PL-4000 monitor is designed and manufactured specially to suit and stand the rough conditions encountered at temporary work sites. It uses the latest technology in gas detection and digital Electronics design. Its low power consumption renders it highly suitable for continuous monitoring of a work site for long durations.

## APPLICATIONS

The model PL-4000 is a microprocessor based intelligent Stand - Alone monitor with self diagnostics feature that continuously performs self integrity check to ensure that it performs to stated specifications. The standard unit is equipped with a single gas sensor but it is configurable to accommodate upto 4 Gas or smoke sensors. The sensor is integrally mounted or can be remotely placed along with transmitter. The units complete operation is programmable with four keys.

The instrument is complete with inbuilt chargeable batteries, field programmable visual audible alarms and the backlit alphanumeric LCD or bright LEDs that display a precise concentration level of the gas present if any. A high decibel internal buzzer for an audible alarm and individual LEDs for LO & HIGH visual alarm, fault and power-ON are provided on the facia. Beacon alarm can be connected and mounted on the instrument itself. A low battery alarm feature warns the operator to change or charge the batteries. PL4000 can be used singularly or in conjunction with other monitors or transmitters placed on a peripheri to isolate and monitor an area for gas presence.

## SPECIAL FEATURES

- MICRO CONTROLLER BASED
- AUTOMATIC FAULT DIAGNOSIS
- LONG LIFE BATTERY OPERATION
- ALPHANUMERIC BACKLIT LCD OR BRIGHT LED
- USER PROGRAMMABLE ALARMS LEVEL
- INBUILT HIGH DECIBEL BUZZER
- BEACON (OPTIONAL)
- INTEGRAL OR REMOTELY PLACED SENSORS
- SAMPLING, DIFFUSION SUCTION (OPTIONAL)
- AUTO ZERO CORRECTION
- IP 65 CONSTRUCTION
- INTRINSICALLY SAFE

## DESCRIPTION

Indications	Seven segment bright or alphanumeric backlit LCD, LED
Principle of Detection	Catalytic combustion for combustible gas; electrochemical for other gases
Sensor Mounting	Integral/ Remote (optional)
Alarms Levels	Programmable on full range
Visual Alarms	LED for LO & HI & fault alarms, beacon (optional)
Audible Alarm	Inbuilt buzzer
Operating Temp.	-10 C to +55 C
Relative Humidity	0 - 95 % non condensating
Power	Inbuilt rechargeable batteries (optional 220V 50Hz)
Repeatability	+/-2 %
Housing	High Impact Polycarbonate
Dimension	240 x 165 x 90(D) in mm.
Weight without battery	1100 gms - approx.

## GAS DETECTABLE & RANGES

Gases	CxHx	O <sub>2</sub>	CO	HS	Other Gases
Ranges	0-100 % LEL	0-30%	0-500PPM	0-500PPM	Application Specific
Principle	Pellister	Electro chemical	Electro chemical	Electro chemical	Application Specific

## ORDERING INFORMATION

PL 4000

Display	1	LCD
	2	Alpha LCD
	3	LED
Sampling	1	Diffusion
	2	Pump
	3	Transmitter
Number of Gases	1	
	2	
	3	
	4	
Sensor Mounting	1	Integral
	2	Remote

Please add following codes for Options:

External Cable for remote sensing - 100

Beacon Indicator - 101

Sampling Pump (Integral) - 102

Sampling Pump (Remote) - 103

Battery charger 110C AC - 104

Battery charger 220C AC - 105

Data Logger with Date and Time - 106

RS 232/485 - 107

Other Ranges - 108

Note : Specifications and Features will vary with application. The above are established and validated during design, but are not to be construed as test criteria for every product. Due to endee's commitment to research, design and product improvement, specifications are subject to change without notice.



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