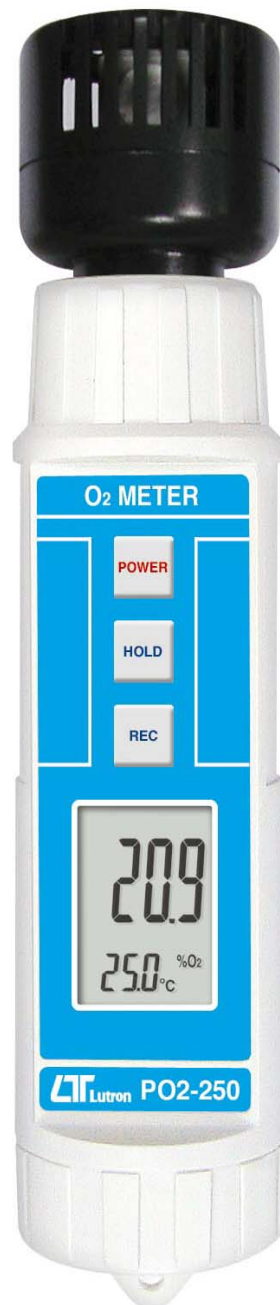


*Pen type*

# O<sub>2</sub> METER

Model : PO2-250

*ISO-9001, CE, IEC1010*



**Lutron**

**LUTRON ELECTRONIC**

*The Art of Measurement*

# pen type, buzzer alarm

# O<sub>2</sub> METER

Model : PO2-250

## FEATURES

* O <sub>2</sub> ( Air oxygen ) and Temp. ( Air Temp. ) measurement.
* O <sub>2</sub> measurement range : 0 to 30.0 % x 0.1 %.
* Temp. measurement range : 0 to 50 °C, °C/°F.
* O <sub>2</sub> Buzzer warning : If the measurement value < 18.0 %O <sub>2</sub> , the buzzer will sound for warning.
* Galvanic cell type for O <sub>2</sub> sensor.
* High reliability Oxygen sensor, not be affected by acidic gases like CO <sub>2</sub> .
* Oxygen sensor with temperature compensated.
* Data hold, to freeze the desired reading value.
* Auto power off saves battery life.
* Operates from DC 1.5V ( UM4/AAA ) x 4 PCs batteries.
* Microprocessor circuit ensure high accuracy, and also and also provides special functions and features.
* Durable and compact ABS-plastic housing.
* Application : O <sub>2</sub> monitor/dectors, Food industrial ( Refrigerator, Vegetable factory ), Bio-Technology ( Oxygen incubator, Anaerobic cultivator ), Security system ( Air conditioner and Oxygen shortage alarm system, Fire alarm system ), Fuel cell system.

## GENERAL SPECIFICATIONS

Display	LCD size : 28 mm x 19 mm.	
Measurement	O <sub>2</sub> ( Air oxygen ) Temperature ( Air Temp. )	
Sensor	Oxygen	Galvanic cell type
	Temperature	Thermistor
Circuit	Custom one-chip of microprocessor LSI circuit.	
Data Hold	Freeze the display reading.	
Sampling Time	Approx. 1 second.	
Power off	Auto shut off saves battery life.	
Operating Temperature	0 to 50 °C.	
Operating Humidity	Less than 80% R.H.	
Power Supply	DC 1.5 V battery ( UM4/AAA ) x 4 PCs.	
Power Current	Approx. DC 4.0 mA	

Weight	194 g/ 0.43 LB.
Dimension	180 x 40 x 40 mm (7.1" x 1.6" x 1.6")
Accessories Included	Instruction manual.....1 PC Soft carrying case ( CA-52A )..... 1 PC
Application	* O <sub>2</sub> monitor/dectors. * Food industrial : Refrigerator, Vegetable factory * Bio-Technology : Oxygen incubator, Anaerobic cultivator * Security system : Air conditioner and Oxygen shortage alarm system, Fire alarm system * Fuel cell system.

## ELECTRICAL SPECIFICATIONS (23± 5 °C)

### O<sub>2</sub> ( Air oxygen )

Range	0 to 30 %O <sub>2</sub> .	
Resolution	0.1 %O <sub>2</sub> .	
Accuracy	± ( 1 % reading + 0.2 % O <sub>2</sub> ). @ After calibration	
Response time	≤ 15 seconds.	@ t 90
Overload protection	100 %O <sub>2</sub> .	
Environment pressure range	0.9 to 1.1 atmosphere.	
Expected life time	≥ 2 years.	
Alarm	If the measurement Air oxygen value < 18.0 %O <sub>2</sub> , the buzzer will sound for warning.	

### Temperature ( Air Temp. )

Range	0 °C to 50 °C, 32 °F to 122 °F.	
Resolution	0.1 degree	
Accuracy	°C - ± 0.8 °C. °F - ± 1.5 °F.	