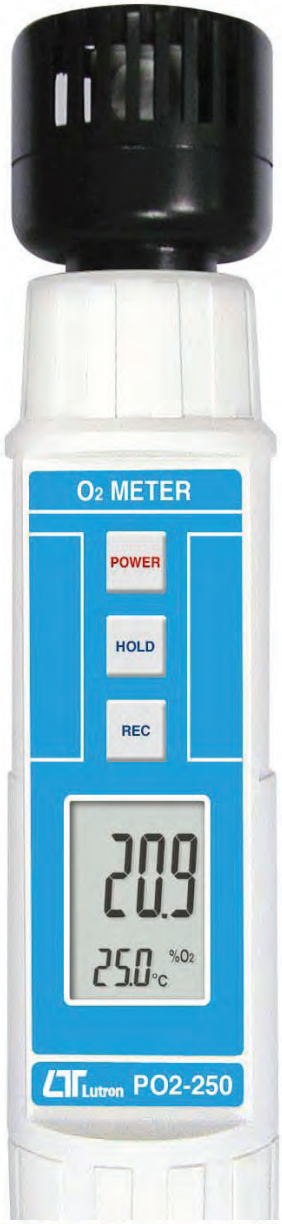
Pen type

O_2 METER

Model : PO2-250 *ISO-9001, CE, IEC1010*



Test and Measurement Instruments C.C.
Tel: 011 683 4365 Fax: 011 583 4461
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Lutron

LUTRON ELECTRONIC

The Art of Measurement

pen type, buzzer alarm

O_2 METER

Model : PO2-250

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FEATURES

* O2 (Air oxygen) and Temp. (Air Temp.) measurement.
* O2 measurement range : 0 to 30.0 % x 0.1 %.
* Temp. measurement range : 0 to 50 ℃, ℃/℉.
* O2 Buzzer warning : If the measurement value < 18.0 %O2, the buzzer will sound for warning.
* Galvanic cell type for O2 sensor.
* High reliability Oxygen sensor, not be affected by acidic gases like CO2.
* 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 : O2 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	O2 (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 ℃.	
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	* O2 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 ℃)

O2 (Air oxygen)

Range	0 to 30 %O2.
Resolution	0.1 %O2.
Accuracy	± (1 % reading + 0.2 % O2). *@ After calibration*
Response time	≦ 15 seconds. *@ t 90*
Overload protection	100 %O2.
Environment pressure range	0.9 to 1.1 atmosphere.
Expected life time	≧2 years.
Alarm	If the measurement Air oxygen value < 18.0 %O2, the buzzer wll sound for warning.

Temperature (Air Temp.)

Range	0 ℃ to 50 ℃,32 ℉ to 122 ℉.
Resolution	0.1 degree
Accuracy	℃ - ± 0.8 ℃. ℉ - ± 1.5 ℉.

* Appearance and specifications listed in this brochure are subject to change without notice.