Pen type

O₂ METER

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

O₂ METER

POWER

HOLD

REC

20.9

25.0 %O₂
°C

Lutron PO2-250

ISO 9001:2008 SGS

UKAS
QUALITY
MANAGEMENT
005
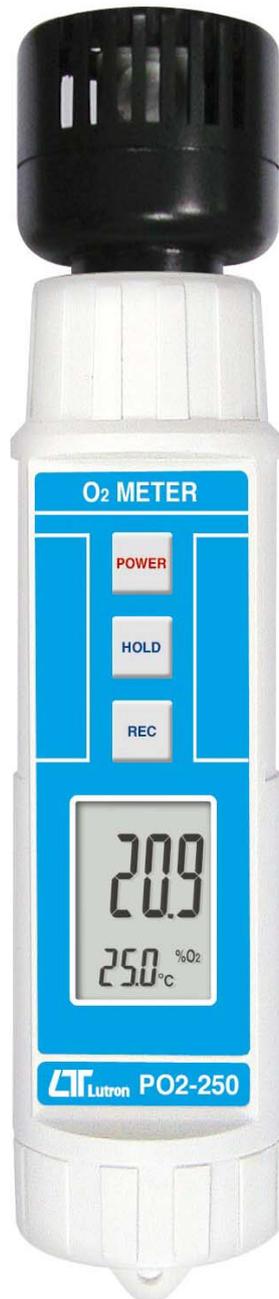
Lutron

LUTRON ELECTRONIC

The Art of Measurement

pen type, buzzer alarm
O₂ METER

Model : PO2-250

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 CO_2.

* 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	± 0.7 % 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.   1902A-PO2250