

Pentype

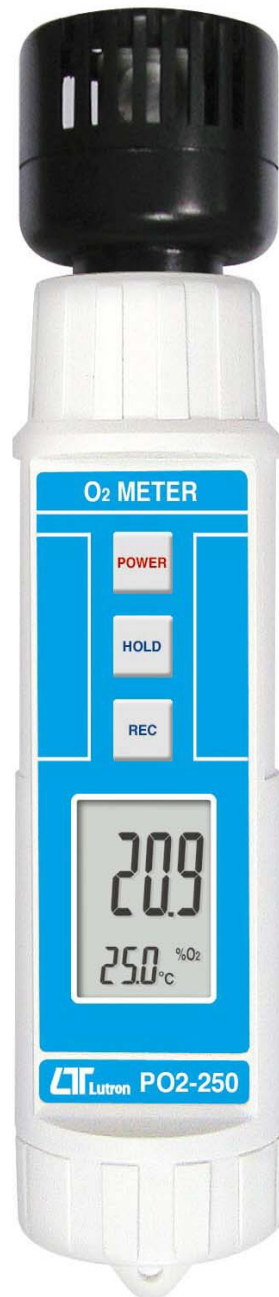
O₂ METER

Model : PO2-250

ISO-9001, CE, IEC1010

www.yalab.com.tw

02-2389-0101



Lutron

www.YaLAB.com.tw

The Art of Measurement

pen type, buzzer alarm

O₂ METER

Model : PO2-250

FEATURES

* O ₂ (Air oxygen) and Temp. (Air Temp.) measurement.
* O ₂ measurement range : 0 to 30.0 % x 0.1 %.
* Temp. measurement range : 0 to 50 °C, °C/°F.
* O ₂ Buzzer warning : If the measurement value < 18.0 %O ₂ , the buzzer will sound for warning.
* Galvanic cell type for O ₂ 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 : O ₂ 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 ₂ (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 ₂ 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)

O₂ (Air oxygen)

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