



PO2-250

PO2-250, O₂ Meter, Pen Type

- O₂ (Air oxygen) and Temp. (Air Temp.) measurement.
- O₂ measurement range : 0 to 30.0 % x 0.1 %.
- Temp. measurement range : 0 to 50°C, °C/°F.
- 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 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.

Model	PO2-250	
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 Humidity	Less than 80% R.H.	
Operating Temp.	0°C to 50°C	
Power Supply	DC 1.5V battery (UM-4/AAA) x 4 PCs.	
Power Consumption	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: 1PC * Meter with sensing head: 1 Set * Magnetic base: 1 PC * Soft carrying case, CA-52A: 1 PC	
Application	* O ₂ monitoring. * Food industrial: Refrigerator, Vegetable factory * Bio-Technology: Oxygen incubator, Anaerobic cultivator * Security system: Air conditioner & Oxygen shortage alarm system, Fire alarm system * Fuel cell system.	

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

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