

# OXYGEN METER

Model : DO-5510

ISO-9001, CE, IEC1010



## FEATURES

- \* The polarographic type oxygen probe with an incorporated Temp. sensor, high precision measurement for Dissolved Oxygen(DO), Oxygen in air(O<sub>2</sub>) & Temp. measurement.
- \* Heavy duty dissolved oxygen probe, probe head can connect with BOD bottle.
- \* Automatic Temp. compensation from 0 to 50 °C for sensor probe.
- \* Build in " % SALT " & " Mountain Height " compensation adjustment button.
- \* Microprocessor circuit.
- \* Records Maximum, Minimum value.
- \* RS 232 PC serial interface.



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**The Art of Measurement**

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## GENERAL DESCRIPTIONS

This Digital Oxygen Meter is supplied with a polarographic type probe with an incorporated Temp. sensor which serves for precise Dissolved Oxygen(DO), Oxygen in air(O<sub>2</sub>), Temp. measurement. Applications for Aquarium, Medical research, Agriculture, Fish hatcheries, Laboratory, Water conditioning, Mining industry, Schools & Colleges, Quality control...

## FEATURES

* The polarographic type oxygen probe with an incorporated Temp. sensor, high precision measurement for Dissolved	* Microprocessor circuit assures high accuracy and provides special functions and features.
* Oxygen(DO), Oxygen in air(O <sub>2</sub> ) & Temperature measurement.	* Multi-display, show oxygen & Temp. at the same time.
* Heavy duty dissolved oxygen probe, probe head can connect with BOD bottle.	* Records Maximum, Minimum and Average readings with RECALL, data hold.
* Automatic Temp. compensation from 0 to 50 °C for sensor probe.	* Auto power off saves battery life. Powered by 006P DC 9V battery.
* Build in " % SALT " & " Mountain Height " compensation , adjust the factor by push the button on the front panel.	* RS 232 PC serial interface. * Build in temperature , °F measurement.
	* Use the durable, long-lasting components, including a heavy duty & compact ABS-plastic housing case.

## SPECIFICATIONS

Circuit	Custom one-chip of microprocessor LSI circuit.	Operating Temperature	0 to 50 °C (32 to 122 °F).	
Display	Dual function meter's display, 13 mm(0.5"). Super large LCD display with contrast adjustment for best viewing angle.	Operating Humidity	Max. 80% RH.	
		Sample Time	Approx. 0.4 sec.	
Measurement & Range	Dissolved Oxygen	0 to 20.0 mg/L(liter).	Power Supply	006P DC 9V battery(Heavy duty type).
	Oxygen in Air	0 to 100.0 %.	Power Current	Approx. DC 6.6 mA.
	Temperature	0 to 50 °C.	Weight	335 g/0.74 LB (batteries & probe included)
Resolution	Dissolved Oxygen	0.1 mg/L.	Size	Main instrument: 180 x 72 x 32 mm(7.1 x 2.8 x1.3 inch). Oxygen probe : 190 mm x 28 mm Dia. ( 7.5" x 1.1" Dia. )
	Oxygen in Air	0.1 % O <sub>2</sub> .		
	Temperature	0.1 .		
Accuracy (23 5 )	Dissolved Oxygen	0.4 mg/L.	Accessories included	Oxygen probe( OXPB-11 )..... 1 PC. Carrying case..... 1 PC. Operation manual..... 1 PC. Spare Probe head with Diaphragm OXHD-04..... 2 set Probe-filling Electrolyte OXEL-03..... 1 set
	Oxygen in Air	0.7% O <sub>2</sub> .		
	Temperature	0.8 °C /1.5 °F.		
Sensor Structure	The polarographic type oxygen probe with an incorporated temperature sensor.			
Probe Compensation & Adj.	Temperature	0 to 50 °C , Automatic	Optional Accessories	* Oxygen probe..... OXPB-11 * Spare Probe head with Diaphragm set .....OXHD-04 * Probe-filling Electrolyte..... OXEL-03 * RS232 cable.....UPCB-02 * USB cable..... USB-01 * Data Acquisition software .....SW-U801-WIN
	Salt	0 to 39 % Salt		
	Height(M. T.)	0 to 3900 meter		
Memory Recall	Records Maximum, Minimum and Average readings with RECALL.			
Power off	Auto power off saves battery life, or manual off by push button.			
Over input indication	Indication of "- - - -".			
Data Output	RS 232 PC serial interface.			

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

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