

DIGITAL OXYGEN METER

Model : DO-5511

1. GENERAL DESCRIPTIONS

This Digital Oxygen Meter is supplied with a polarographic type probe with an incorporated temp. sensor which serves for precision Dissolved Oxygen(DO), Oxygen in air(O₂), Temp. measurement.

Applications for Aquarium, Medical research, Agriculture, Fish hatcheries, Laboratory, Water conditioning, Mining industrial, Schools & Colleges, Quality control..

2. FEATURES

- * The polarographic type oxygen probe with an incorporated temp. sensor, high precision measurement for Dissolved Oxygen(DO), Oxygen in air(O₂) & Temperature measurement.
- * Automatic temp. compensation from 0 to 50 °C for sensor.
- * Build in " % SALT " & " Mountain Height " compensation , adjust the factor by push the button on the front panel.
- * Microprocessor circuit assures high accuracy and provides special functions and features.
- * Super large LCD display with contrast adjustment for best viewing angle.
- * Multi-display, show oxygen & temp. at the same time.
- * Records Maximum, Minimum and Average readings with RECALL.
- * Data hold.
- * Auto shut off saves battery life.
- * Operates from 006P DC 9V battery.
- * RS 232 PC serial interface.
- * Build in temperature °C, °F measurement.
- * Used the durable, long-lasting components, including a heavy duty & compact ABS-plastic housing case.



3. SPECIFICATIONS

Circuit	Custom one-chip of microprocessor LSI circuit.	
Display	Dual function meter's display, 13 mm(0.5"). Super large LCD display with contrast adjustment for best viewing angle.	
Measurement & Range	Dissolved Oxygen	0 to 20.0 mg/L(liter).
	Oxygen in Air	0 to 100.0 %.
	Temperature	0 to 50 °C.
Resolution	Dissolved Oxygen	0.1 mg/L.
	Oxygen in Air	0.1 % OF2 .
	Temperature	0.1 °C.
Accuracy (23 ± 5 °C)	Dissolved Oxygen	±0.4 mg/L.
	Oxygen in Air	±0.7% O 2.
	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
	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 shut off saves battery life, or manual off by push button.	
Data Output	RS 232 PC serial interface.	
Over input indication	Indication of "- - - -".	
Operating Temperature	0 °C to 50 °C(32 °F to 122 °F).	
Operating Humidity	Max. 80% RH.	
Sample Time	Approx. 0.4 sec.	
Power Supply	006P DC 9V battery(Heavy duty type).	
Power Current	Approx. DC 6.6 mA.	
Weight	335 g/0.74 LB (included batteries & probe)	
Size	Main instrument: 180 x 72 x 32 mm(7.1 x 2.8 x1.3 inch).	
	Oxygen probe : 155 mm x 32 mm Dia.(4.9" x 0.8" Dia.)	
Accessories included	Oxygen probe..... 1 PC. Carrying case..... 1 PC. Operation manual..... 1 PC. Spare Diaphragm(5 PCs per pack) OXDP-02..... 1 set Probe-filling Electrolyte OXEL-03..... 1 set	
Optional Accessories	Oxygen probe(for DO-551.... OXPB-01C Spare Diaphragm(5 PCs per pack)OXDP-02 Probe-filling ElectrolyteOXEL-03	