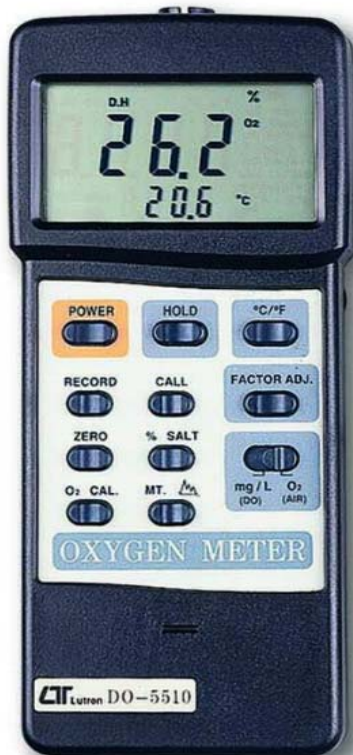


# DISSOLVED OXYGEN METER

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*

# DISSOLVED OXYGEN METER

Model : DO-5510

## 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 x 1.3 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 PCs. Probe-filling Electrolyte OXEL-03..... 1 PC.
	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-01 * 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.

1009-DO5510

# DISSOLVED OXYGEN METER

Model : YK-22DOA

ISO-9001, CE, IEC1010



**Lutron**

**LUTRON ELECTRONIC**

**The Art of Measurement**

# DISSOLVED OXYGEN METER

Model: YK-22DOA

## FEATURES

* One meter for Dissolved Oxygen measurement.
* Dissolved oxygen : 0 to 20.0 mg/L.
* Dissolved oxygen meter use the polar graphic type oxygen probe with temperature sensor, high precision measurement for Dissolved Oxygen ( DO ) and temperature measurement.
* Heavy duty dissolved oxygen probe, probe head can connect with BOD bottle.
* DO use the automatic Temp. compensation.
* DO use the automatic Temp. compensation.
* DO meter build in " % SALT " & " Mountain Height " compensation value adjustment.
* Separate probe, easy for operation of different measurement environment.
* Wide applications: water conditioning, aquariums, beverage, fish hatcheries, food processing, photography, laboratory, paper industry, plating industry, quality control, school & college, water conditioning.
* LCD with green light backlight, easy reading.
* Can default auto power off or manual power off.
* Data hold, record max. and min. reading.
* Microcomputer circuit, high accuracy.
* Power by DC 9V battery ( 006 P ) or DC 9V adapter.
* RS232/USB PC COMPUTER interface.

## GENERAL SPECIFICATIONS

Circuit	Custom one-chip of microprocessor LSI circuit.
Display	LCD size : 52 mm x 38 mm LCD with green backlight ( ON/OFF ).
Measurement Function	Dissolved Oxygen, Temperature.
Advanced setting	* Auto power OFF management * Set beep Sound ON/OFF * Set temperature unit to °C or °F * Set DO salt % compensation value * Set DO height ( meter ) compensation value * Set DO height ( feet ) compensation value
Data Hold	Freeze the display reading.
Memory Recall	Maximum & Minimum value.
Sampling Time of Display	Approx. 1 second.
Data Output	RS 232/USB PC computer interface. * Connect the optional RS232 cable UPCB-02 will get the RS232 plug. * Connect the optional USB cable USB-01 will get the USB plug.
Operating Temperature	0 to 50 °C.
Operating Humidity	Less than 85% R.H.

Power Supply	* Alkaline or heavy duty DC 9V ( 006 P ) battery or equivalent. * DC 9V adapter input. ( AC/DC power adapter is optional ).
Power Current	Normal operation ( LCD Backlight is OFF ) : Approx. DC 14 mA. * If LCD backlight on, the power consumption will increase approx. 12 mA.
Weight	489 g/1.08 LB.
Dimension	177 x 68 x 45 mm * Meter (7.0 x 2.7 x 1.9 inch)
Probe Weight	335 g/0.74 LB
Probe Size	190 mm x 28 mm Dia. ( 7.5" x 1.1" Dia. )
Probe Cable Length	4 meters.
Accessories Included	* Operation manual.....1 PC * Hard carrying case, CA-06.....1 PC * Dissolved Oxygen probe, OXPB-11.....1 PC Spare Probe head with Diaphragm OXHD-04..... 2 PCs Probe-filling Electrolyte OXEL-03..... 1 PC
Optional Accessories	* Oxygen probe.....OXPB-11 * Spare Probe head with Diaphragm set ..... OXHD-04 * Probe-filling Electrolyte..... OXEL-03 * AC to DC 9V adapter. * USB cable, USB-01. * RS232 cable, UPCB-02. * Data Acquisition software, SW-U801-WIN. * Excel Data Acquisition software, SW-E802

## ELECTRICAL SPECIFICATIONS (23± 5 °C)

Oxygen Probe	OXPB-11, included. The polarographic type oxygen probe .
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 % O2 . Temperature 0.1 °C.
Accuracy (23± 5 °C)	Dissolved Oxygen ± 0.4 mg/L. Oxygen in Air ± 0.7% O2. Temperature ± 0.8 °C / 1.5 °F.
Probe Compensation & Adj.	Temperature 0 to 50 °C, Automatic Salt 0 to 50 % Salt Height ( M. T. ) 0 to 8900 meter
Probe Weight	335 g/0.74 LB
Probe Size	190 mm x 28 mm Dia. ( 7.5" x 1.1" Dia. )

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1603-YK22DOA