

# DISSOLVED OXYGEN METER

Model : YK-22DOA

ISO-9001, CE, IEC1010



**Lutron**

**LUTRON ELECTRONIC**

**NDTKALA.CO**  
Non-Destructive Test (NDT) Equipment



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**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. <i>* If LCD backlight on, the power consumption will increase approx. 12 mA.</i>
Weight	489 g/1.08 LB.
Dimension	177 x 68 x 45 mm
* Meter	(7.0 x 2.7x 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. )

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

1603-YK22DOA