two displays, with Temp. measurement

DISSOLVED OXYGEN METER

Model : DO-5519   *ISO-9001, CE, IEC1010*

FEATURES

* Range : 0 to 20 mg/L x 0.1 mg/L.
* LCD display, pocket size.
* Automatic temperature compensation.
* Data logger.
* Separate probe, easy operation.
* RS-232 interface, Record (max., min.)
* Power : DC 9V battery or DC 9V adapter in.

LUTRON ELECTRONIC

The Art of Measurement

1,600 point data logger, RS232, AC/DC adapter, auto calibration

DISSOLVED OXYGEN METER
Model : DO-5519

FEATURES

* This Digital Oxygen Meter is supplied with a polarographic type probe with an incorporated Temp. sensor which serves for precise Dissolved Oxygen (DO) and Temp. measurement.
* Applications for Aquarium, Medical research, Agriculture, Fish hatcheries, Laboratory, Water conditioning, Mining industry, Schools & Colleges, Quality control...
* Heavy duty dissolved oxygen probe, probe head size can connect with BOD bottle
* Separate probe with 4 meters cable.
* Automatic Temp. compensation from 0 to 50 ℃ for sensor.
* Build in advanced setting procedures, it can adjust the " % SALT " & " Height " compensation value.
* Microprocessor circuit assures high accuracy and provides special functions and features.
* Multi-display, show Dissolved oxygen & Temp. at the same time.
* RS 232 PC serial interface.
* Build in temperature ℃,℉ measurement.
* LCD with two display, easy readout.
* Manual and auto data logger, with flexible sampling time selection, can save max. 1,600 reading data.
* Power function can default to auto off or manual off.
* Temperature unit can default to ℃ or ℉.
* Microcomputer circuit, intelligent function, high accuracy.
* Records Maximum and Minimum readings with recall.
* Data hold function for freezing the desired value.
* Build in the input socket for DC 9V power adapter.
* RS232 PC serial interface.
* Use the durable, long-lasting components, including a heavy duty & compact ABS-plastic housing case.

Data Output	RS 232 PC serial interface.
Operating Temperature	0 to 50 ℃.
Operating Humidity	Less than 80% RH.
Power Supply	006P DC 9V battery (Alkaline or Heavy duty type) or DC 9V adapter input. ** AC/DC power adapter is optional.*
Power Current	Approx. DC 6.2 mA.
Weight	446 g/0.98 LB. ** Include probe and battery.*
Dimension	*Main instrument:* 135 x 60 x 33 mm. *Oxygen probe :* 190 mm x 28 mm Dia. (7.5" x 1.1" Dia.) Probe's cable length : 4 meters.
Accessories Included	Oxygen probe (OXPB-11)................1 PC. Soft carrying case (CA-05A)............1 PC. Operation manual...........................1 PC. Spare Probe head with Diaphragm OXHD-04..2 set Probe-filling Electrolyte OXEL-03..1 set
Optional probe and 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 * Data logger software.............SW-DL2005 * Hard carrying case................CA-06 * AC to DC 9V adapter

SPECIFICATIONS

Display	LCD size : 44 mm x 29 mm. Dual function LCD	
Circuit	Custom one-chip of microprocessor LSI circuit.	
Measurement & Range	Dissolved Oxygen	0 to 20.0 mg/L (liter).
	Oxygen in Air	0 to 100.0 %.
	Temperature	0 to 50 ℃.
Resolution	Dissolved Oxygen	0.1 mg/L.
	Oxygen in Air	0.1 % O2 .
	Temperature	0.1 ℃.
Accuracy (23± 5 ℃)	Dissolved Oxygen	± 0.4 mg/L.
	Oxygen in Air ** For reference only*	± 0.7% O2.
	Temperature	± 0.8 ℃/1.5 ℉.
Sensor Structure	The polarographic type oxygen probe with an incorporated temperature sensor.	
Probe Compensation and Adjustment	Temperature ** Automatic adj.*	0 to 50 ℃,
	Salt ** Manual adj.*	0 to 39 %Salt (% Weight)
	Height ** Manual adj.*	0 to 3,900 meter
Memory Recall	Records Maximum, Minimum readings with recall.	
Power off	Auto power off saves battery life, or manual off by push button.	
Data Output	RS 232 PC serial interface.	
Sampling Time of Data Logger	Manual	Push the data logger button once will save data one time. ** Set sampling time to 0 second.*
	Auto	1, 2, 5, 10, 30, 60, 600, 1800, 3600 seconds.
Data Logger number	Max. 1,600-point Data logger	
Data Hold	Freeze the display reading.	
Sampling Time of display	Approx. 1 second.	

OPTIONAL ACCESSORIES

Carrying case CA-06	Hard carrying case. (280 x 195 x 65 mm)
RS232 cable UPCB-02	* Isolated RS232 cable. * Used to connect the meter to the computer
RS232 cable USB-01	* USB Computer interface cable. * Isolated USB cable.
Data Logger software SW-DL2005	* Software the used to download the data logger (data recorder) from the meter to computer.
Data Acquisition software SW-U801-WIN	* The SW-U801-WIN is a multi displays (1/2/4/6/8 displays) powerful application software, provides the functions of data logging system, text display, angular display, chart display, data recorder high/low limit, data query, text report, chart report.. .xxx.mdb data file can be retrieved for EXCEL, ACESS.., wide intelligent applications.
Power adapter	AC 110V to DC 9V, USA plug.
	AC 220V/230V to DC 9V. Germany plug.

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

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