

4 to 20 mA IOT transmitter

DISSOLVED OXYGEN TRANSMITTER

Model : TRDO-501

ISO-9001, CE, IEC1010

www.yalab.com.tw

02-2389-0101



Lutron

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The Art of Measurement

DISSOLVED OXYGEN TRANSMITTER**Model : TRDO-501**www.YaLAB.com.tw 02-2389-0101**FEATURE**

- * 4-wire installation.
- * Linear current output .
- * Easy installation and connection.
- * One meter for multi purpose operation : Dissolved Oxygen, Air Oxygen.
- * 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.
- * Wide applications: water conditioning, aquariums, beverage, fish hatcheries, food processing, photography, laboratory, paper industry, plating industry, quality control, school & college, water conditioning.
- * O2 calibration is easily to be done by slide switch on the front panel.

GENERAL SPECIFICATION

Range	Dissolved oxygen 0 to 20 mg/L	
Operating Temperature	0 to 50 °C. * <i>Meter</i>	
Operating Humidity	Less than 80% R.H. * <i>Meter</i>	
Power Supply	DC 9 to 30 V	
Weight	384 g/ 0.84 LB. * <i>Meter only.</i>	
Dimension	DIN size : 96 x 48 mm. Depth : 110 mm.	
Accessories Included	Instruction manual	1 PC
	Oxygen probe(OPB-11)	1 PC
	Spare Probe head with Diaphragm set (OXHD-04)	2 PCS
	Probe-filling Electrolyte(OXEL-03)	1 PC

ELECTRICAL SPECIFICATIONS (23±5 °C)

Oxygen Probe	Optional, The polarographic type oxygen probe with	
Measurement & Range	Dissolved Oxygen	0 to 20.0 mg/L (liter).
Resolution	Dissolved Oxygen	0.01 mA.
Accuracy (23±5 °C)	Dissolved Oxygen	±0.4 mg/L.
Analog output	Analog output: 4 to 20 mA. * <i>linear to temperature.</i>	
Loop impedance	Max. 500 Ω@24 V DC.	
Power supply	Isolated Power 12VDC to 30VDC@20 mA. * <i>Ripple< 2.5%</i>	
Operation Temp.	0°C to 70°C /32°F to 158°F.	
Operation humidity	Max. 85% RH.	
Dimensions	120 mm x 96 mm x 43 mm	
Weight	164 g.	
Enclosure rating	Meter : IP63 , Probe : IP67	
Probe Compensation & Adj.	Temperature	0 to 50 °C, Automatic
Probe Weight Probe Size	209 g/0.46 LB 190 mm x 28 mm Dia. (7.5" x 1.1" Dia.)	

@ Above specification tests under the environment RF Field Strength less than 3 V/M & frequency less than 30 MHz only.

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

TRDO-501+190808A



OXPB-11

Exclusive dissolved oxygen probe

Output is used 4 pins DIN plug.

Cable : 4 meters

OXEL-03

DO probe filling electrolyte



OXEL-03

OXHD-04

DO probe head diaphragm set



OXHD-04



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