

4 to 20 mA IOT transmitter

# DISSOLVED OXYGEN TRANSMITTER

Model : TRDO-501

*ISO-9001, CE, IEC1010*



**Lutron**

**LUTRON ELECTRONIC**

*The Art of Measurement*

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# DISSOLVED OXYGEN TRANSMITTER

**Model : TRDO-501**

**FEATURES**

* 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 Specifications**

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(OXPB-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)**

**Dissolved oxygen**

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&lt; 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	209 g/0.46 LB	
Probe Size	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.