

TS2000-DO

DISSOLVED OXYGEN TRANSMITTER - SWITCH



Features

- SS-316 enclosure with high corrosion resistance
- IP-68 protection for harsh environments
- RS-485 (MODBUS RTU) communication
- 4–20 mA analog output
- Backlit LCD display
- Easy to install



Technical Specifications

Performance Characteristics	
Type of Input	DO Electrode
Type of Output	4-20 mA DC Output
Alarm or Relay Output	1 Relay Output (Optional)
Communication Output	RS-485 MODBUS RTU (Optional)
Display	Local display LCD with backlit
Calibration Range	0 to 20.9 ppm
Electronics Transmitter Accuracy	+/- 0.25% F. S.
Repeatability	+/-0.05% of SPAN, at 25 °C
Isolation	1.4 KV between Input, Output & Power Supply
Electrical Connections	M12 Connector
Sensor Connection	Remote 5 meter cable
Power Supply	18-36 VDC
Power Consumption	< 5 W
Response Time	1 Sec
Temperature Coefficient	+/- 0.01% per °C
Temperature Compensation	RTD PT-100
Electronics Enclosure	SS-316
Electronic Protection Class	Weather Proof IP-68
Mounting	2" Pipe Mounting
Ambient Temperature	20°C to 75°C
Ambient Humidity	5 to 95% non-condensing
Flow Through Assembly (Optional)	SS-316 / PP

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Assembly Overview

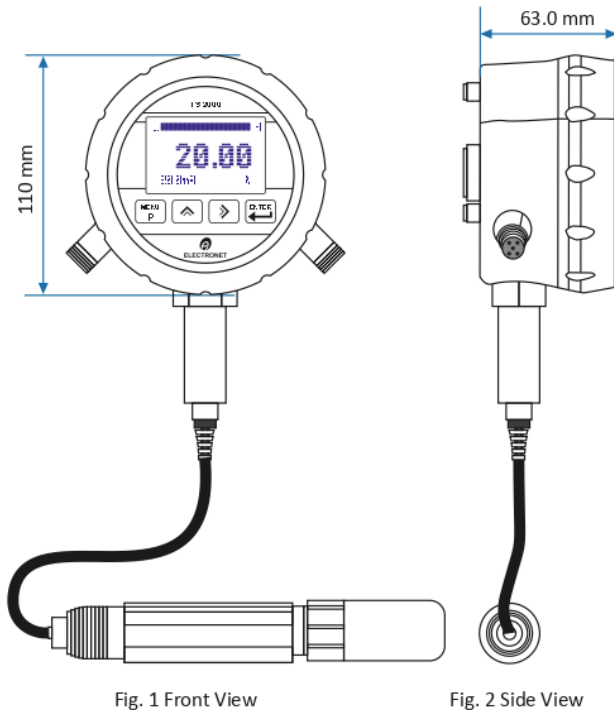


Fig. 1 Front View

Fig. 2 Side View

Connection Details

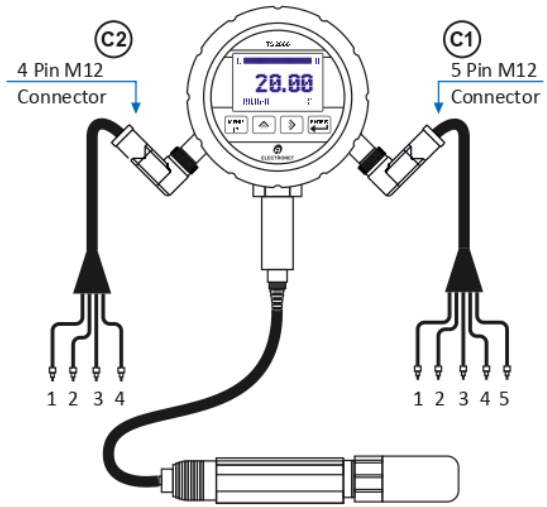


Fig. 3 Front View

C2: Details

- 1 : (POLE) Alarm Output
- 2 : (NO) Alarm Output
- 3 : (RX) RS485
- 4 : (TX) RS485

C1: Details

- 1 : +24V DC
- 2 : I+ Analog Output 4 to 20mA
- 3 : 0V DC/ I- Analog Output 4 to 20mA
- 4 : NC
- 5 : NC

Ordering Information

Sample Order Code : TS 2000 DO-A1-B1

Parameter	Code	Description
A Alarm Output	A1	1 Relay Output
	AX	NA
B Communication Output 1	B1	RS-485 (MODBUS RTU)
	BX	NA

Note :

- Due to our continuous product revisions, design specification and model numbers are subject to change without notice.
- Accuracy defined at Lab Conditions.
- For other requirement please consult factory.
- Sensor & other accessories to be ordered separately.
- This product is meant for laboratory/Process application only and not for custody transfer application.

ELECTRONET EQUIPMENTS PVT. LTD.

Registered Office:

Plot No. 84, 85, 86, Tiny Industrial Estate,
Kondhwa Budruk,
Pune-411 048, Maharashtra, India.

Factory Address:

Plot No. 8, (SEZ) Phase 1, Kesurdi MIDC,
Khandala, Dist.- Satara
Pin: 412 801, Maharashtra, India.



+91-20-26931476
+ 91 99229 31722
+ 91 99224 42183



ho@electronet.co.in
enquiries@electronet.co.in



www.eeplindia.com