

TS2000-pH

pH 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	pH Electrode
Output	4 to 20mA
Alarm or Relay Output	1 Relay Output (Optional)
Communication Output	RS-485 MODBUS RTU (Optional)
Display	Backlight LCD
Calibration Range	pH : 0 to 14 pH
Calibration Method	3 Point buffer
Temperature Compensation	RTD PT-100
Electronics Transmitter Accuracy	pH : +/- 0.05 pH at 25 °C
Isolation	1.4 KV between Input, Output & Power Supply
Repeatability	+/-0.05% of SPAN
Response Time	1 Sec
Electrical Connections	M12 Connector
Power Supply	18-36 V DC
Power Consumption	< 5W
Electronic Protection Class	Weather Proof IP-68
Electronics Enclosure	SS-316
Sensor Connection	Through BNC connector
Mounting	Pipe Mounting / Wall Mounting
Weight	Less than 3 kg
Ambient Temperature	-20°C to 75°C
Ambient Humidity	5 to 95% non-condensing
Temperature Coefficient	+/- 0.05% per °C
Flow Through Assembly (Optional)	SS-316 / PP

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Assembly Overview

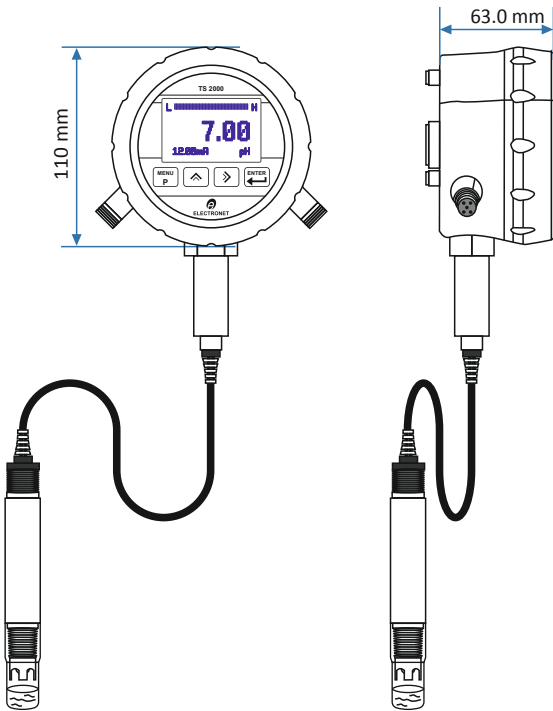


Fig. 1 Front View

Fig. 2 Side View

Connection Details

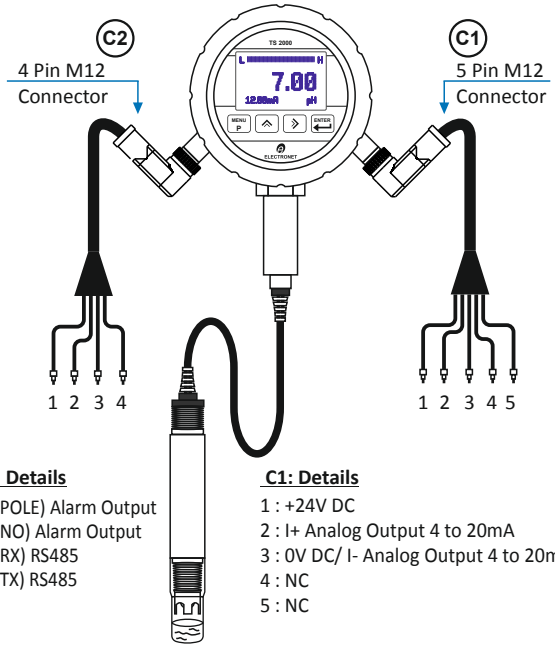


Fig. 3 Front View

Ordering Information

Sample Order Code : TS 2000 PH/ORP-A1-B1-C1

Parameter	Code	Description	
A	Input	A1	pH
		A2	ORP
B	Alarm Output	B1	1 Relay Output
		BX	NA
C	Communication Output 1	C1	Rs485 (MODBUS RTU)
		CX	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.

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