

TS2000-TT

TEMPERATURE TRANSMITTER - SWITCH

Features

- Durable SS-316 Enclosure offering superior corrosion resistance
- IP-68 Protection for reliable operation in harsh and wet environments
- Switch Functionality for versatile control and monitoring
- RS-485 (MODBUS RTU) Communication for easy system integration and remote access
- Potential free relay contact output



Technical Specifications

Performance Characteristics	
Type of Input	RTD (PT-100/PT-200)
Type of Output	4 - 20 mA
Alarm or Relay Output	1 Relay Output (Optional)
Communication Output	RS-485 (MODBUS RTU) Optional
Display	Backlight LCD
Isolation	1.4 kV between Input, Output & Power Supply
Accuracy	± 0.1% F. S
Power Supply	18-36 V DC
Power Consumption	< 5W
Power Supply Effect	Less than ±0.005% of span
Response Time	1 Sec
Temperature Coefficient	± 0.01% per °C
MOC Electronics Enclosure	SS-316
Electronic Protection Class	Weather Proof IP-68
Electrical Connection	M12 Connector
Calibration	Software calibration
Surge Protection	In-built
Repeatability	±0.1%
Linearity	±0.05% of Full Scale)
Stability	±0.2% of URL / year
Reverse Polarity	In-built provided
Mounting	Pipe Mount/wall mount
Ambient Temperature	-20°C to 70°C
Ambient Humidity	5 to 95% non-condensing
Self Diagnosis	Sensor open indicator
Weight	Less than 3 kg

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Assembly Overview

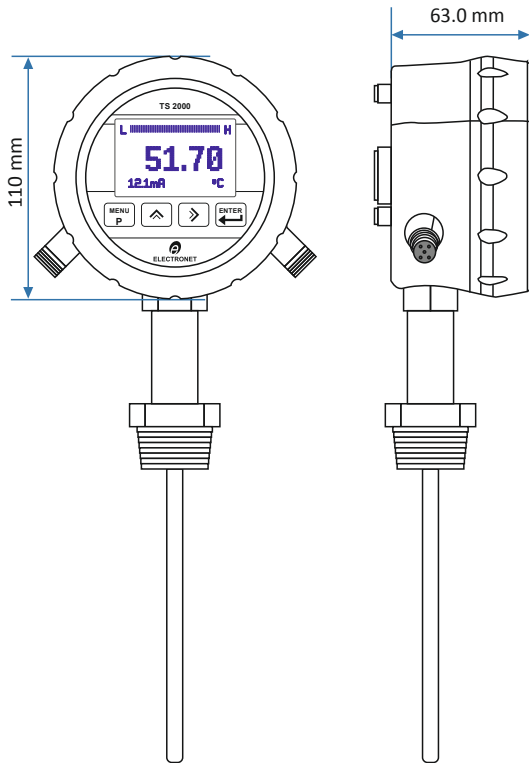


Fig. 1 Front View

Fig. 2 Side View

Connection Details

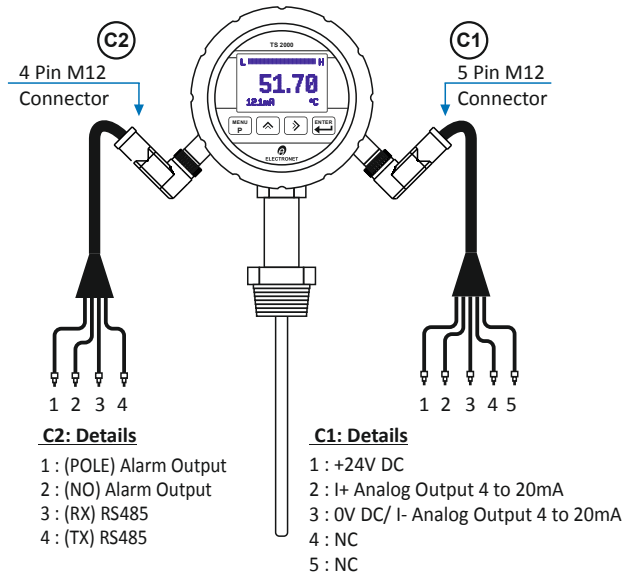


Fig. 3 Front View

Ordering Information

Sample Order Code : TS2000 TT - A1-B1-C1-D1

Parameter		Code	Description
A	Alarm / Relay Output	A1	1 Relay Output (Optional)
		AX	NA
B	Communication Output 1	B1	RS485 (MODBUS RTU) Optional
		BX	NA
Note : ■ Due to our continuous product revisions, design specification & model numbers are subject to change without notice. ■ Accuracy defined at Lab Conditions. ■ For other requirement please consult factory. ■ This product is meant for laboratory/Process application only and not for custody transfer application.			

Parameter		Code	Description
C	Sensor Length	C1	25 mm
		C2	100 mm
		C3	300 mm
		C4	1000 mm
D	Process Connection	D1	1 " NPT (M)
		D2	1" BSP (M)
		DY	Other

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