

TS2000-CT

CONDUCTIVITY TRANSMITTER - SWITCH



Features

- SS-316 enclosure with high corrosion resistance
- IP-67 protection for harsh environments
- RS-485 (MODBUS RTU) communication
- 4–20 mA analog output
- Backlit LCD display
- Remote / Integral Sensor Connection
- Potential free relay output



Technical Specifications

Performance Characteristics	
Type of Input	From Conductivity Electrode
Cell Constant	0.01 / 0.1 / 1
Calibration Range	Factory Calibrated 1 0 to 99.99 µS/cm for cell constant 0.01
	2 0 to 999.99 µS/cm for cell constant 0.1
	3 0 to 9999.99 µS/cm for cell constant 1
Max. measuring span	9999.99 µS/cm
Min. measuring span	99.99 µS/cm
Power Supply	18-36V DC
Power Consumption	< 5W
Display	Local display LCD with backlit
Type of Output	4-20 mA
Alarm or Relay Output	1 Relay Output (Optional)
Communication Output	RS-485 MODBUS RTU (Optional)
Electronics Transmitter Accuracy	+/- 0.25% F. S.
Response Time	1Sec
Temperature Compensation	RTD PT-100
Isolation	1.4 KV between Input, Output & Power Supply
Sensor Connection	1) Remote 2) Integral
Electrical Connections	M12 Connector
Mounting	2" Pipe Mounting / Direct Line Mounting
Electronic Protection Class	Weather Proof IP-68
Electronics Enclosure	SS-316
Ambient Temperature	20°C to 70°C
Ambient Humidity	5 to 95% non-condensing at 25°C
Flow Through Assembly (Optional)	SS-316 / PP

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Assembly Overview

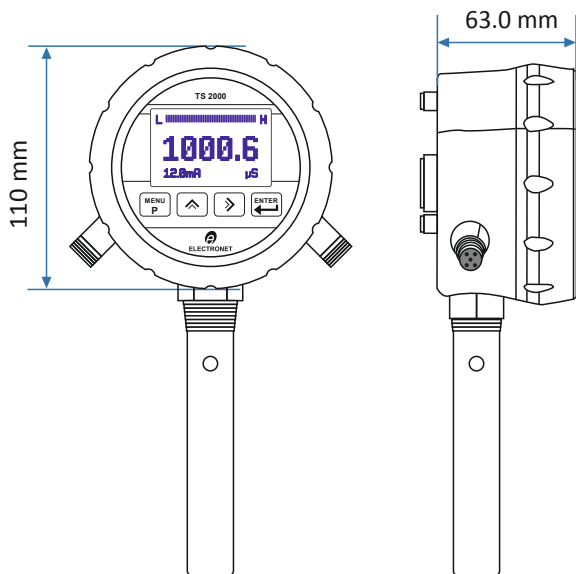


Fig. 1 Front View

Fig. 2 Side View

Connection Details

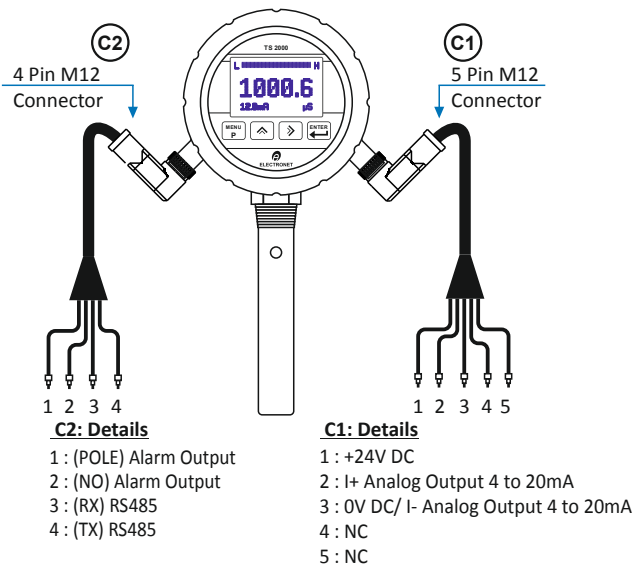


Fig. 3 Front View

Ordering Information

Sample Order Code : TS 2000 CT-A1-B1-C1

Parameter	Code	Description	Parameter	Code	Description
A	Cell Constant	A1 Conductivity (Cell Constant 0.01) (5 to 100 micro simens)	B	B1	1 Relay Output
		A2 Conductivity (Cell Constant 0.1) (5 to 1000 micro simens)		BX	NA
		A3 Conductivity (Cell Constant 1) (100 to 10000 micro simens)	C	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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