

TS2000-CT

CONDUCTIVITY 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
- Remote / Integral Sensor Connection



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

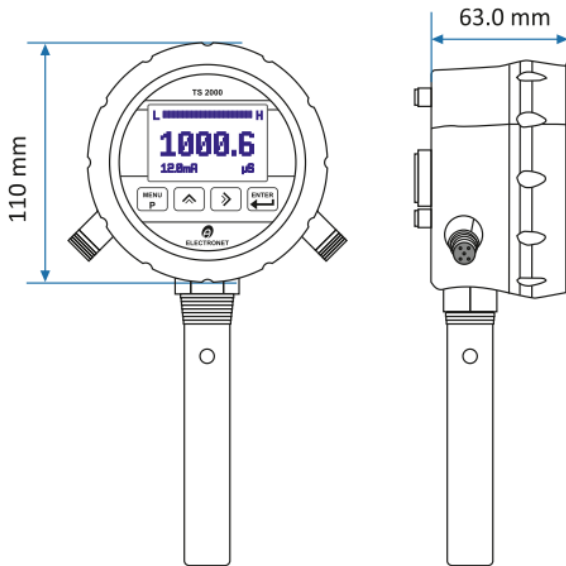


Fig. 1 Front View

Fig. 2 Side View

Connection Details

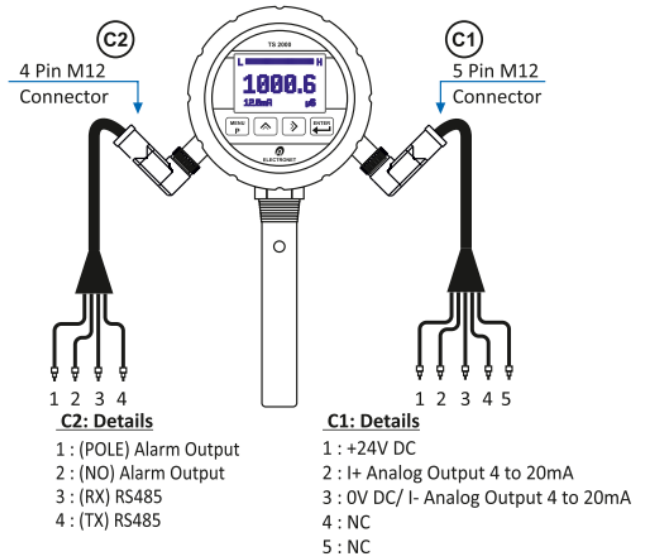


Fig. 3 Front View

Ordering Information

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

Parameter		Code	Description
A	Cell Constant	A1	Conductivity (Cell Constant 0.01) (5 to 100 micro simens)
		A2	Conductivity (Cell Constant 0.1) (5 to 1000 micro simens)
		A3	Conductivity (Cell Constant 1) (100 to 10000 micro simens)

Parameter		Code	Description
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.

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