

TS2000-CLT

CAPACITANCE TYPE LEVEL TRANSMITTER - SWITCH



Features

- Capacitance type level transmitters
- Trouble free operation of conductive / non conductive Liquids
- Durable SS-316 Enclosure offering superior corrosion resistance
- IP-68 Protection for reliable operation in harsh and wet environments
- Backlit LCD display
- Switch Functionality for versatile control and monitoring
- RS-485 (MODBUS RTU) Communication for easy system integration and remote access



Technical Specifications

Performance Characteristics	
Measuring Range	100 mm to 15000 mm
Probe Type	1 Single Rod (Upto 2000 mm)
	2 Coaxial (Upto 2000 mm)
	3 Rope Type (Above 2000 mm)
Output	4 - 20 mA
Alarm or Relay Output	1 Relay Output (Optional)
Communication Output	RS-485 MODBUS RTU (Optional)
Accuracy	+/- 1% F. S.
Linearity	+/- 1%
Process Temperature	200°C max
Process Pressure	16 kg/cm ² max
Probe MOC	PTFE+SS-316
Power Supply	18-36 V DC
Power Consumption	< 5W
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
Display	Backlight LCD
Process Connection	1" BSP (M)
	1½" BSP (M)
	2" PVC Flanged
	2" SS-316 Flanged
	50 NB SS-316 Tri Clover
Mounting Clamp	Top of the tank
Mounting	Top of the tank
Operating Conditions	Temperature : -20°C to 75°C / Humidity : 5 to 95% non-condensing
Electronics Enclosure and Rating	SS-316 and IP-68

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Assembly Overview

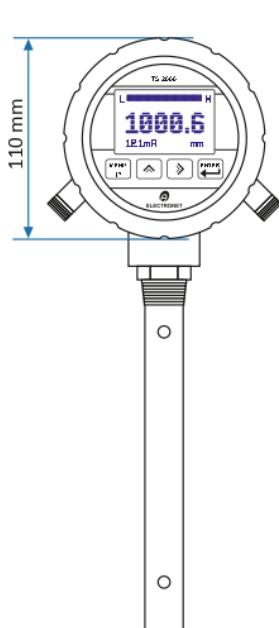


Fig. 1 Front View

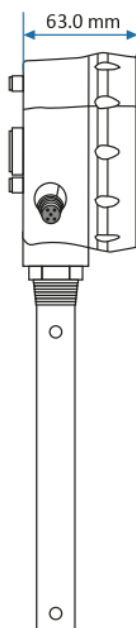


Fig. 2 Side View

Connection Details

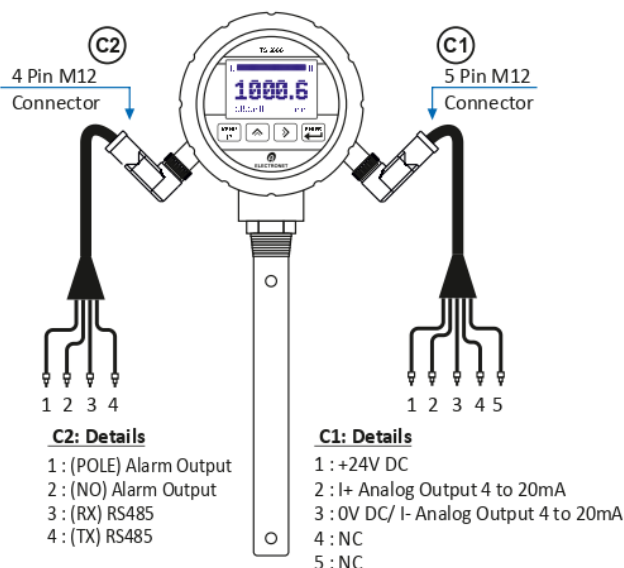


Fig. 3 Front View

Ordering Information

Sample Order Code : TS2000-CLT-A1-B1-C1-D1-E1

Parameter		Code	Description
A	Measuring Range	A1	100 mm
		A2	1000 mm
		A3	2000 mm
		A4	3000 mm
		A5	6000 mm
		A6	12000 mm
		A7	15000 mm
B	Alarm or Relay Output	B1	1 Relay Output (Optional)
		BX	NA
C	Communication Output 1	C1	RS485 (MODBUS RTU) (Optional)
		CX	NA

Parameter		Code	Description
D	Probe Type	D1	Single Rod (Upto 2000 mm)
		D2	Coaxial (Upto 2000 mm)
		D3	Rope Type (Above 2000 mm)
E	Process Connection	E1	1" BSP (M)
		E2	1½" BSP (M)
		E3	2" PVC Flanged
		E4	2" SS-316 Flanged
		E5	50 NB S S316 Tri Clover
		EY	Other

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.

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