

TS2000-HLT

HYDROSTATIC LEVEL TRANSMITTER - SWITCH

Features

- Piezo Resistive Sensor
- Measuring Range upto 500 mtrs.
- Pressure Range 0.4 to 10 bar
- Ingress Protection IP-68
- Simultaneous measurement of level & temperature with optionally integrated PT100 temperature sensor
- Suspension clamp, cable gland (Optional)
- Durable SS-316 Enclosure offering superior corrosion resistance
- IP-68 Protection for reliable operation in harsh and wet environments



Technical Specifications

Performance Characteristics	
Sensor Type	Piezo Resistive
Max. Measuring Range	0 to 500 mtr.
Pressure Range	0.4 to 10 Bar
Display	Backlight LCD
Output	4 - 20 mA DC
Alarm or Relay Output	1 Relay Output (Optional)
Communication Output	RS-485 MODBUS RTU (Optional)
Output Load	600 Ohm
Accuracy	± 0.25% F. S
Over Pressure Safety	1.5 times max. Pressure range
Burst Pressure	2 times max. Pressure range
Process Temperature	200°C max
Power Supply	18-36 V DC
MOC Electronics Enclosure	SS-316
Electronic Protection Class	Weather Proof IP-68
Electrical Connection	M12 Connector
Response Time	1 Sec
Non Linearity	< 0.2% of SPAN
Non Repeatability	< 0.1% of SPAN
Dielectric Strength	500 VDC
Operating Conditions	Temperature : -20°C to 75°C
	Humidity : 5 to 95% non-condensing
Process connections	Mounting clamp
	Cable Gland
Optional	1) Integrated temperature sensor Pt100, 3-wire
	2) Customer specific cable marking
Electronics Enclosure and Rating	SS-316 and IP-68
Sensor Material	SS-316
Sensor Cable	PVC Shielded

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Assembly Overview

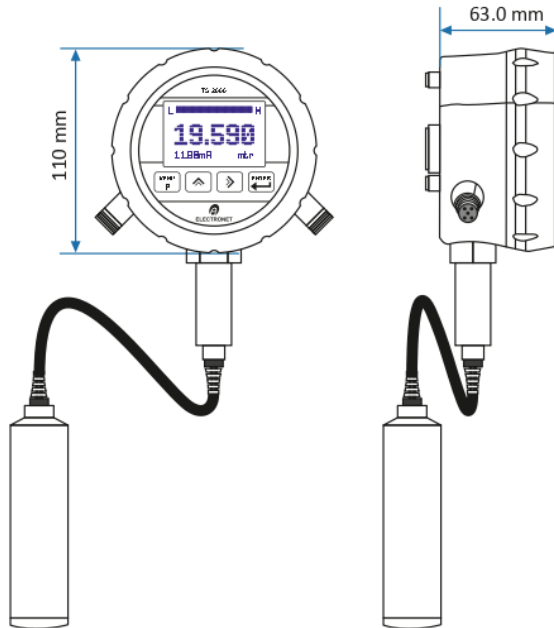


Fig. 1 Front View

Fig. 2 Side View

Connection Details

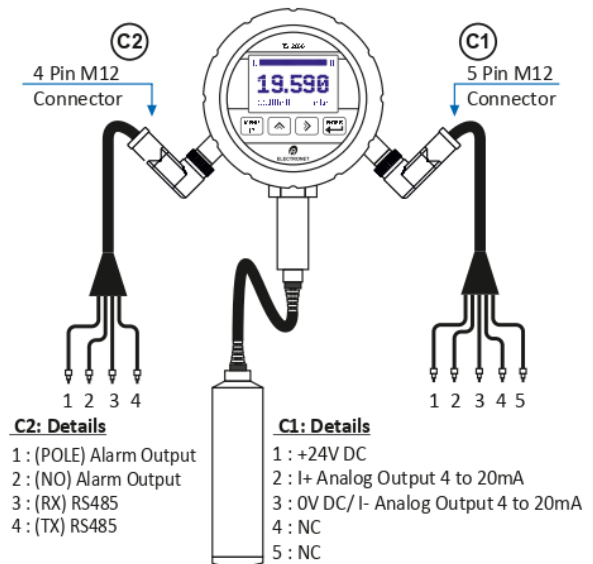


Fig. 3 Front View

Ordering Information

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

Parameter		Code	Description
A	Level Measurement Range	A1	1000 mm
		A2	5000 mm
		A3	10000 mm
		A4	20000 mm
		A5	50000 mm
		A6	100000 mm
		A7	500000 mm

Parameter		Code	Description
B	Alarm or Relay Output	B1	1 Relay Output
		BX	NA
C	Communication Output 1 (Any One)	C1	RS485 (MODBUS RTU)
		CX	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.

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