

TS2000-HPLT

HYDROSTATIC PRESSURE LEVEL TRANSMITTER - SWITCH

Features

- High-Accuracy ($\pm 0.25\%$ F.S.)
- Backlit LCD Display with Optional Relay Output
- 4–20 mA Output with Optional RS-485 (Modbus RTU)
- SS-316 Housing with IP-68 Protection
- Measuring Range up to 20 mtr. with Optional Process Connections



Technical Specifications

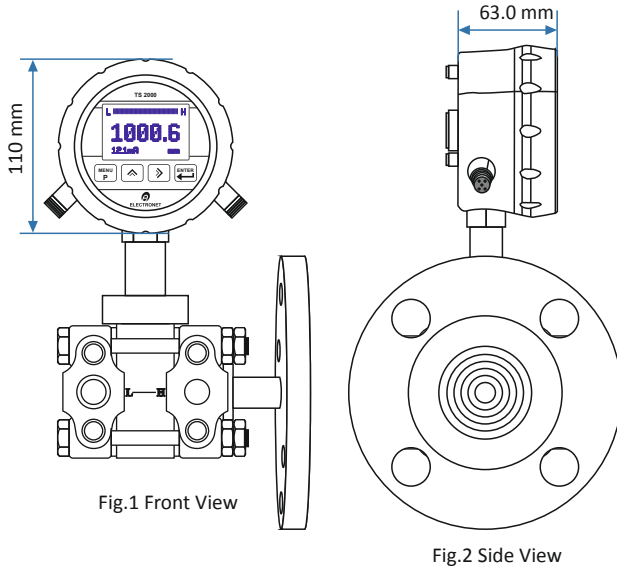
Performance Characteristics	
Max Pressure Range	2 kg/cm ²
Measuring Range	Upto 20 Meter
Power Supply	18-36 V DC
Display	Backlight LCD
Accuracy	$\pm 0.25\%$ F. S.
Non Linearity	0.2% of Span
Non Repeatability	< 0.1% of Span
Response Time	1 Sec.
Over Pressure Safety	1.5 times max. Pressure range
Burst Pressure	3 times max. Pressure range
Output	4 to 20 mA
Alarm or Relay Output	1 Relay Output (Optional)
Communication Output	RS-485 MODBUS RTU (Optional)
Electrical Connection	M12 Connector
Enclosure	Weather Proof IP-68
MOC Electronics Enclosure	SS-316
Output lower limit	3.7 mA
Output upper limit	23 mA
Process Temperature	120°C max
Ambient Conditions	Temperature : -20°C to 70°C / Humidity : 5 to 95% non-condensing
Insulation Resistance	>100 M Ω at 100VDC
Process Connection	Refer ordering information
Mounting	Direct Line mount
Material of Construction	All wetted parts SS-316
Electronics Enclosure and Rating	SS-316 and IP-68
Weight	Less than 5 kg

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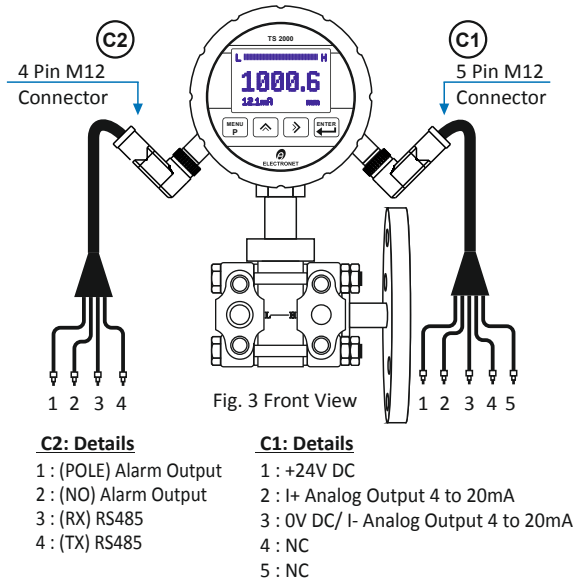
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Assembly Overview



Connection Details



Ordering Information

Sample Order Code : TS 2000 HPLT-A1-B1-C1-D1-E1-F1

Parameter		Code	Description
A	Level Measurement Range	A1	1000 mm
		A2	3000 mm
		A3	5000 mm
		A4	10000 mm
B	Alarm or Relay Output	B1	1 Relay Output (Optional)
		BX	NA
C	Communication Output 1	C1	RS485 (MODBUS RTU) (Optional)
		CX	NA
D	Diaphragm Material	D1	SS-316L
		D2	Hastelloy C
		DY	Other

Parameter		Code	Description
E	Fill Fluid	E1	Silicon Oil
		EY	Others
F	Process Connection	F1	½” NPT (M)
		F2	½” BSP (M)
		F3	Flush Diaphragm (1”Triclover)
		F4	Flush Diaphragm (1” BSP)
		F5	Flush Diaphragm (2”Triclover)
		F6	Flush Diaphragm (2” BSP)
		F7	2 "Diaphragm Flange Connection
		FY	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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