

TS2000-SPT

PRESSURE TRANSMITTER - SWITCH



Features

- Piezo Resistive Sensor
- 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	
Sensor Type	Piezo Resistive
Pressure Range	AP URL : From 100 kPa to 600 kPa
	GP URL : From 70 Kpa to 100000 kPa
Measuring unit	bar
	kPa
	Pascal
	mmWc
	kg/cm ²
Power Supply	18-36 V DC
Display	Backlight LCD
Accuracy	± 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
Process Temperature	120°C max
Material of Construction	All wetted parts SS-316
Enclosure	Weather Proof IP-68
MOC of Electronics	SS-316
Electrical Connection	M12 Connector
Ambient Conditions	Temperature : -20°C to 70°C / Humidity : 5 to 95% non-condensing
Insulation Resistance	>100 Mohm at 100 VDC
Process Connection	Refer ordering information
Mounting	Direct Line mount (Vertical) / 2" Pipe Mount
Weight	Less than 3 kg

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Assembly Overview

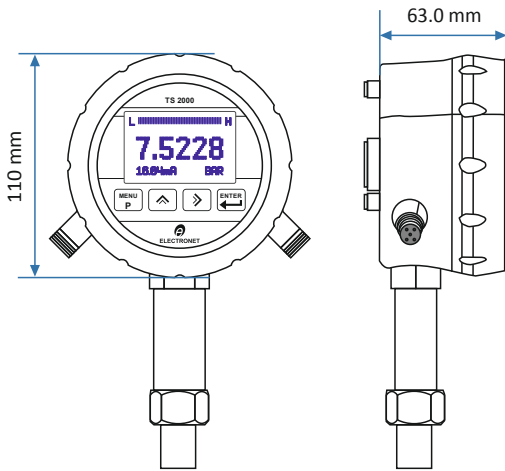


Fig. 1 Front View

Fig. 2 Side View

Connection Details

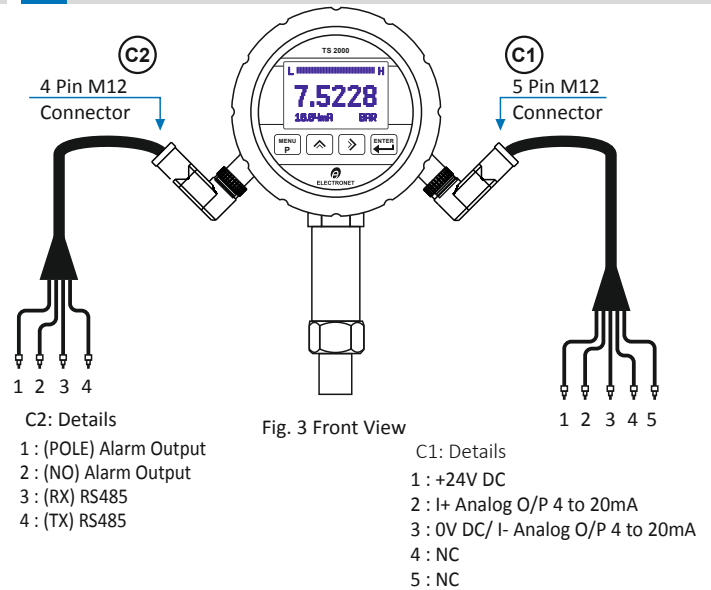


Fig. 3 Front View

Ordering Information Sample Order Code : TS 2000 SPT-A1-B1-C1-D1-E1-F1-G1-H1-I1-J1

	Parameter	Code	Description		Parameter	Code	Description
A	Output 1	A1	RS-485 MODBUS RTU Communication Output	E	Diaphragm Material	E1	SS-316L
		AX	NA			E2	Hastelloy C
B	Output 2	B1	Alarm Relay contact			F	Sensor Fill Fluid
		BX	NA	F1	Silicon Oil		
C	Measurement Type	C1	AP	G	MOC of Sensor, Flange, Adapter & Drain Vent Valve	FY	Other
		C2	GP			G1	SS-316
		C3	DP			G2	Hastelloy C
		D1	10 kPa			GY	Other
D	Pressure Range	D2	35 kPa	H	O Ring Material	H1	Buna - N
		D3	70 kPa			H2	Ethylene - Propylene
		D4	100 kPa			H3	Teflon
		D5	250 kPa			H4	Viton
		D6	400 kPa	I	Process Connection (In SS-316)	I1	¼" NPT (M)
		D7	600 kPa			I2	½" NPT (M)
		D8	1000 kPa			I3	¾" BSP (M)
		D9	1600 kPa			I4	½" BSP (M)
		D10	2500 kPa			I5	¼" NPT (F)
		D11	4000 kPa			I6	½" NPT (F)
		D12	6000 kPa			I7	¾" BSP (F)
		D13	10000 kPa			I8	½" BSP (F)
		D14	16000 kPa			I9	Flush Diaphragm (Triclover)
		D15	25000 kPa			I10	Flush Diaphragm (1" BSP)
		D16	40000 kPa			I11	Diaphragm Seal 1" (SS-316)
		D17	60000 kPa			I12	Diaphragm Seal 2" (SS-316)
		D18	100000 kPa			I13	Diaphragm Seal 3" (SS-316)
		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. ■ This product is meant for laboratory/Process application only and not for custody transfer application.				J	Mounting Bracket
I15	5 Mtr Capillary (2" Flange)						
I16	5 Mtr Capillary (3" Flange)						
IY	Other						
J1	MS						
						J2	SS-316

ELECTRONET EQUIPMENTS PVT. LTD.



Manufacturing Unit - I & Registered Office

Plot No. 84, 85, 86, Tiny Industrial Estate, Kondhwa Budruk, Pune - 411 048, Maharashtra, India.

Manufacturing Unit - II

Plot No. 8, (SEZ) Phase 1, Kesurdi MIDC, Khandala, Dist.- Satara Pin: 412 801, Maharashtra, India.

+91-20-26931476 sales@electronet.co.in

Sales ☎ +91-9922931722
Enquiries ✉ enquiries@electronet.co.in
Service Support ☎ +91-9922442181
 ✉ service@electronet.co.in
Logistic Assistance ☎ +91-9922442184
 ✉ dispatch1@electronet.co.in