

TS2000-SDP CAP

PRESSURE TRANSMITTER - SWITCH



Features

- Capacitive Pressure Sensor
- Measuring Range : 0.015 Bar to 200 Bar
- 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

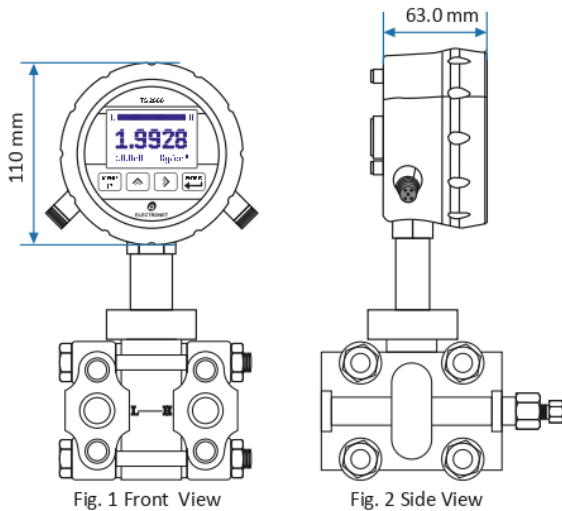
Performance Characteristics	
Sensor Type	Capacitive Sensor
Pressure Range	1.5 kPa to 2000 kPa
Power Supply	18-36 V DC
Display	Backlight LCD
Accuracy	± 0.25% M.V.
Non Linearity	0.2% of Span
Non Repeatability	< 0.1% of Span
Response Time	1Sec
MOC of Electronics	SS-316
Enclosure	Weather Proof IP-68
Material of Construction	All wetted parts SS-316
Electrical Connection	M12 Connector
Over Pressure Safety	2 times max. Pressure range
Burst Pressure	3 times max. Pressure range
Output	2 wire system with 4 to 20 mA
Alarm or Relay Output	1 Relay Output (Optional)
Communication Output	RS-485 MODBUS RTU (Optional)
Process Temperature	120°C max
Ambient Conditions	Temperature : -20°C to 75°C / Humidity : 5 to 95% non-condensing
Insulation Resistance	>100 MΩ at 100VDC
Process Connection	Refer ordering information
Mounting	Direct Line mount (Vertical)
Weight	Less than 3 kg

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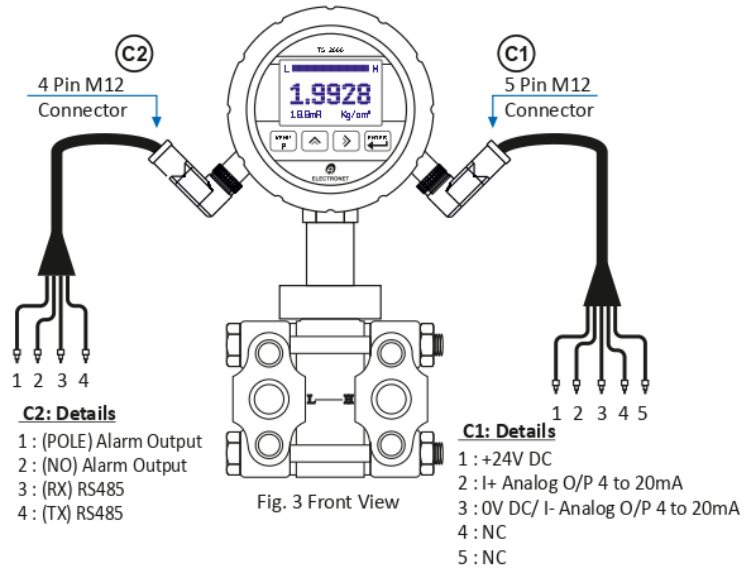
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Assembly Overview



Connection Details



Ordering Information

Sample Order Code : TS 2000 SDP (CAP)-A1-B1-C3-D2-E1-F1-G1-H1-I1-J1

Parameter		Code	Description	Parameter		Code	Description		
A	Output 1	A1	RS-485 MODBUS RTU Communication Output	G	MOC of Sensor, Flange, Adapter & Drain Vent Valve	G1	SS-316		
		AX	NA			G2	Hastelloy C		
B	Output 2	B1	Alarm Relay contact			H	O Ring Material	GY	Other
C	Measurement Type	BX	NA	H1	Buna - N				
		NA	AP	H2	Ethylene - Propylene				
		NA	GP	H3	Teflon				
D	Pressure Range	C3	DP	I	Process Connection (In SS-316)	H4	Viton		
		D2	1.5 kPa			I1	½" NPT (M)		
		D3	7.5 kPa			I2	½" NPT (M)		
		D4	40 kPa			I3	¼" BSP (M)		
		D5	186 kPa			I4	½" BSP (M)		
		D6	690 kPa			I5	¼" NPT (F)		
		D7	2068 kPa			I6	½" NPT (F)		
		D8	6000 kPa			I7	¼" BSP (F)		
E	Diaphragm Material	D9	20000 kPa			I8	½" BSP (F)		
		E1	SS-316L			I9	Flush Diaphragm (Triclover)		
		E2	Hastelloy C			I10	Flush Diaphragm (1" BSP)		
F	Sensor Fill Fluid	EY	Other			I11	Diaphragm Seal 1" (SS-316)		
		F1	Silicon Oil			I12	Diaphragm Seal 2" (SS-316)		
								I13	Diaphragm Seal 3" (SS-316)
								I14	5 Mtr Capillary (1" Flange)
								I15	5 Mtr Capillary (2" Flange)
								I16	5 Mtr Capillary (3" Flange)
						IY	Other		
				J	Mounting Bracket	J1	MS		
						J2	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.									

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