



IPS Series

Industrial Pressure Transducer - Ceramic



- Piezo-resistive thick film ceramic sensor
- Stainless steel body
- Accuracy <±0.25% FS BFSL
- Various outputs including mV, Volts and mA.
- Pressure ranges from -1 to 400 bar

The IPS series is suitable for use in a wide range of industrial applications. The probe uses a piezo-resistive ceramic sensor, giving excellent media compatibility within a stainless steel housing

The electronics incorporate a microprocessor based amplifier, requiring no adjusting and giving stable electronics, especially industrial applications..

Each device is temperature compensated, calibrated and supplied with a traceable serial number and calibration data.*

Electrical Protection					Pe	erformand	e				
Supply reverse polarity Electromagnetic compatibility		No damage/no function CE Compliant				Accuracy (Non-Linearity & Hysteresis) Setting Errors (offsets) 2-wire 3-wire 4-wire		e Zero e Zero	Zero & Full Scale, $<\pm0.5\%$ / FS Zero & Full Scale, $<\pm0.5\%$ / FS Zero & Full Scale, $<\pm0.5\%$ / FS		
Mechanical Stability									@ 10 Vo	lts	
Shock Vibration Temperatures & Ther	mal Effects	_	; / 11s RMS (20 -	2000Hz)	H	aterial Spousing O" ring sea	ecification als		Stainless 1	Steel	
Media Temperature Ambient Temperature Storage temperature Compensated temperature range Thermal Zero Shift (TZS) Thermal Span Shift		-40°C to +135°C -20°C to +80°C -40°C to +125°C +20°C to +80°C <±0.04% /FS/°C <±0.015% /°C			D M di W In O	Diaphragm Media wetted parts diaphragm Weight Installation position Operational Life Insulation resistance		Ceramic Al ₂ O ₃ 96% Housing & connection, "O" ring seal, Approx 100g Any > 100x 10 ⁶ cycles > 50MOhms at 50Vdc			
Pressure Ranges and	Passive mV/V	Outputs									
Nominal Pressure, Gau Compound range Permissible Overpressu Burst Pressure	bar	1 -1 to 0 2 4	2 -1 to 2 4 5	5 -1 to 5 10 12	10 -1 to 9 20 25	20 -1 to 19 40 50	50 -1 to 24 100 120	100 200 250	250 400 500	400 650 650	
Output Signals and Su	ipply Voltages	;									
Wire system	Output		Supply	Voltage	Co	onnection	Pin Nos				
2-wire	4-20mA		9-32Vd			ve Supply		-ve Supply		Ground I	Earth Pin
3-wire	0-5Vdc		9-32Vc		+	ve Supply ve Output	Pin 3	-ve Supply Ground	Earth Pin	1	
4-wire (amplified)	10mV/V (rat	iometric)	3-12Vd	lc		ve Supply ve Output		-ve Supply -ve Output		1	

*Calibration data is supplied as a sticker affixed to the product packaging - do not discard

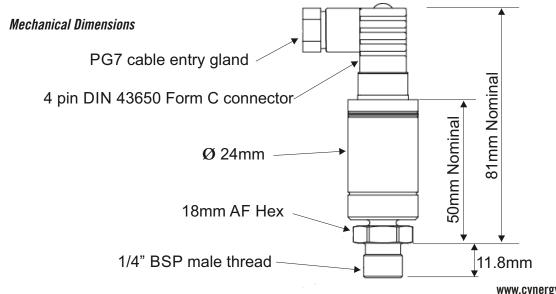




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Part Number	Pressure Rating	Output
IPS-G1000-3	0 - 1 Bar G	0 - 100mV
IPS-G1000-5	0 - 1 Bar G	4 - 20mA
IPS-G1000-6	0 - 1 Bar G	0 - 5V
IPS-G6000-3	0 - 6 Bar G	0 - 100mV
IPS-G6000-5	0 - 6 Bar G	4 - 20mA
IPS-G6000-6	0 - 6 Bar G	0 - 5V
IPS-GM1P9-5	-1 to +9 Bar G	4 - 20mA
IPS-GM1P9-6	-1 to +9 Bar G	0 - 5V
IPS-G1002-3	0 - 10 Bar G	0 - 100mV
IPS-G1002-5	0 - 10 Bar G	4 - 20mA
IPS-G1002-6	0 - 10 Bar G	0 - 5V
IPS-G1602-3	0 - 16 Bar G	0 - 100mV
IPS-G1602-5	0 - 16 bar G	4-20mA
IPS-G1602-6	0 - 16 bar G	0-5V
IPS-C0184-5	-1 to +24 Bar G	4 - 20mA
IPS-C0184-6	-1 to +24 Bar G	0 - 5V
IPS-G2502-3	0 - 25 Bar G	0 - 100mV
IPS-G2502-5	0 - 25 Bar G	4 - 20mA
IPS-G2502-6	0 - 25 Bar G	0 - 5V
IPS-G4002-3	0 - 40 Bar G	0 - 100mV
IPS-G4002-5	0 - 40 Bar G	4 - 20mA
IPS-G4002-6	0 - 40 Bar G	0 - 5V
IPS-G1003-3	0 - 100 Bar G	0 - 100mV
IPS-G1003-5	0 - 100 Bar G	4 - 20mA
IPS-G1003-6	0 - 100 Bar G	0 - 5V
IPS-G2503-3	0 - 250 Bar G	0 - 100mV
IPS-G2503-5	0 - 250 Bar G	4 - 20mA
IPS-G2503-6	0 - 250 Bar G	0 - 5V
IPS-G4003-3	0 - 400 Bar G	0 - 100mV
IPS-G4003-5	0 - 400 Bar G	4 - 20mA
IPS-G4003-6	0 - 400 Bar G	0 - 5V



Mouser Electronics

Authorized Distributor

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Sensata:

IPS-GM1P9-5