

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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IPS-M12 Series

Industrial Pressure Sensor - Ceramic - with M12 4-Pin Connector



- Piezo-resistive thick film ceramic sensor
- Stainless steel body
- Accuracy <±0.25% FS BFSL
- 0-5V or 4-20mA output
- Pressure ranges from -1 to 400 bar
- M12 4-pin connector

The IPS-M12 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.

Mating cable and plug assemblies are available - see datasheet M12 Cable Set Series

Electrical Protection				P	erformand	е				
Supply reverse polarity Electromagnetic compatibility		amage/no t ompliant	function		-	on-Linearit rs (offsets)	2-v	vire		S (BFSL) cale, <±0.5% / FS cale, <±0.5% / FS
Mechanical Stability						ecification		101.01		
Shock Vibration Temperatures & Thermal Effe Media Temperature Ambient Temperature Storage temperature Compensated temperature ran Thermal Zero Shift (TZS) Thermal Span Shift	10g F -40°C -20°C -40°C -40°C +20° <±0.	/ 11s RMS (20 - 2 6 to +135°C 6 to +80°C C to +125°C C to +80°C 04% /FS/° 015% /°C		D N W Ir O Ir	ousing O" ring sea iaphragm ledia wette leight nstallation perational nsulation r nvironmen	ed parts position Life	Vi Co Ho di Aj Ai > on IP	ton eramic a cousing a phrag pprox 10 ny 100x 1 50MOh	m	"O" ring seal, a similarly
Pressure Ranges and Passive	mV/V Outputs									
Nominal Pressure, Gauge, Compound range barenissible Overpressure barenissible Overpressure barenissible Overpressure barenissible Overpressure barenissible Overpressure	r -0.5 to 0 r 2	2 -0.5 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	650	
Output Signals and Supply Vo	Itages									
Wire system Outpu		Supply Voltage			Connection Pin Nos					
2-wire 4-201 3-wire 0-5Vo		9-32Vdc 9-32Vdc		+	+ve Supply Pin 1 -v			ve Supply Pin 2 ve Supply Pin 2 Earth Pin 4		nd Earth Pin

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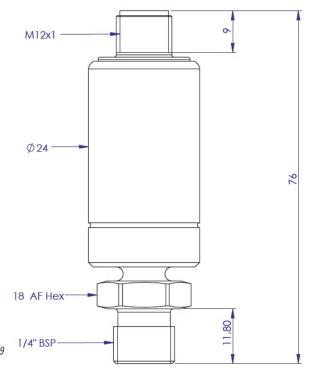
IPS-M12 Series

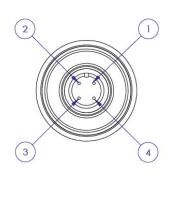
Industrial Pressure Sensor - Ceramic - with M12 4-Pin Connector

Part Number	Pressure Rating	Output
IPS-G1000-5M12	0 - 1 Bar G	4 - 20mA
IPS-G1000-6M12	0 - 1 Bar G	0 - 5V
IPS-G6000-5M12	0 - 6 Bar G	4 - 20mA
IPS-G6000-6M12	0 - 6 Bar G	0 - 5V
IPS-GM1P9-5M12	-1 to +9 Bar G	4 - 20mA
IPS-GM1P9-6M12	-1 to +9 Bar G	0 - 5V
IPS-G1002-5M12	0 - 10 Bar G	4 - 20mA
IPS-G1002-6M12	0 - 10 Bar G	0 - 5V
IPS-G1602-5M12	0 - 16 bar G	4-20mA
IPS-G1602-6M12	0 - 16 bar G	0-5V
IPS-C0184-5M12	-1 to +24 Bar G	4 - 20mA
IPS-C0184-6M12	-1 to +24 Bar G	0 - 5V
IPS-G2502-5M12	0 - 25 Bar G	4 - 20mA
IPS-G2502-6M12	0 - 25 Bar G	0 - 5V
IPS-G4002-5M12	0 - 40 Bar G	4 - 20mA
IPS-G4002-6M12	0 - 40 Bar G	0 - 5V
IPS-G1003-5M12	0 - 100 Bar SG*	4 - 20mA
IPS-G1003-6M12	0 - 100 Bar SG*	0 - 5V
IPS-G2503-5M12	0 - 250 Bar SG*	4 - 20mA
IPS-G2503-6M12	0 - 250 Bar SG*	0 - 5V
IPS-G4003-5M12	0 - 400 Bar SG*	4 - 20mA
IPS-G4003-6M12	0 - 400 Bar SG*	0 - 5V

^{*} sealed gauge

Mechanical Dimensions





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