

Industrial Pressure Sensor Platform

TABLE 3. ELECTRICAL SPECIFICATIONS (AT 25 °C [77 °F] AND A RATED EXCITATION UNLESS OTHERWISE NOTED)

Parameter	Current	Regulated	Regulated
Zero output	4 mA	0.25 Vdc	0.5 Vdc
Full scale span (FSS)	16 mA (4 mA to 20 mA)	10 Vdc (0.25 Vdc to 10.25 Vdc)	4 Vdc (0.5 Vdc to 4.5 Vdc)
Excitation	9.5 Vdc to 30 Vdc	14 Vdc to 30 Vdc	7 Vdc to 30 Vdc
Supply current	N/A	5 mA typ. (17 mA max.)	5 mA typ. (17 mA max.)
Source (nominal)	N/A	1 mA	1 mA
Sink (nominal)	N/A	1 mA at zero output	1 mA at zero output
Supply rejection ratio	90 dB	90 dB	90 dB
Output impedance	N/A	25 Ω max.	25 Ω max.

TABLE 4. PERFORMANCE SPECIFICATIONS (AT 25 °C [77 °F] AND A RATED EXCITATION UNLESS OTHERWISE NOTED)

Parameter	Characteristic
Response time	<2 ms
Accuracy ¹	±0.15 % BFS ±0.25 % BFS
Total error band ²	±2 % FS

Notes:

1. Includes pressure non-linearity (BFS), pressure hysteresis and non-repeatability. Thermal errors are not included.
2. Includes zero error, span error, thermal effect on zero, thermal effect on span, thermal hysteresis, pressure-non-linearity, pressure hysteresis and non-repeatability

LISTINGS

These are examples of common configurations that are available. Please refer to the “Nomenclature and Order Guide” in the data sheet for all possible product configurations. Order via Test and Measurement’s web site <http://measurementsensors.honeywell.com> or call our Inside Sales Team +1 614-850-5000 or 1-800-848-6564.

Order codes	Description
IPG1BR,1BA, 2Y, 5F, 6M	Model IP, 0.15 % accuracy, 100 psi, -10 °C to 85 °C [14 °F to 185 °F], 4 mA to 20 mA, 1/4 B Female, DIN 43650 connector
IPG1CN,1BA, 2Y, 5F, 6M	Model IP, 0.15 % accuracy, 250 psi, -10 °C to 85 °C [14 °F to 185 °F], 4 mA to 20 mA, 1/4 B Female, DIN 43650 connector
IPG1BR,1BA, 2AC, 5F, 6M	Model IP, 0.15 % accuracy, 100 psi, -10 °C to 85 °C [14 °F to 185 °F], 0.5 Vdc to 4.5 Vdc, 1/4 B Female, DIN 43650 connector
IPG1CN,1BA, 2AC, 5F, 6M	Model IP, 0.15 % accuracy, 250 psi, -10 °C to 85 °C [14 °F to 185 °F], 0.5 Vdc to 4.5 Vdc, 1/4 B Female, DIN 43650 connector
IPG1NB,1BA, 2Y, 5F, 6M	Model IP, 0.15 % accuracy, 7 bar, -10 °C to 85 °C [14 °F to 185 °F], 4 mA to 20 mA, 1/4 B Female, DIN 43650 connector
IPG1NY,1BA, 2Y, 5F, 6M	Model IP, 0.15 % accuracy, 16 bar, -10 °C to 85 °C [14 °F to 185 °F], 4 mA to 20 mA, 1/4 B Female, DIN 43650 connector
IPG1NB,1BA, 2AC, 5F, 6M	Model IP, 0.15 % accuracy, 7 bar, -10 °C to 85 °C [14 °F to 185 °F], 0.5 Vdc to 4.5 Vdc, 1/4 B Female, DIN 43650 connector
IPG1NY,1BA, 2AC, 5F, 6M	Model IP, 0.15 % accuracy, 16 bar, -10 °C to 85 °C [14 °F to 185 °F], 0.5 Vdc to 4.5 Vdc, 1/4 B Female, DIN 43650 connector

IP Series

ORDER CODE NOMENCLATURE

Combine the order code and options code.

IPG1BR

1BA,2Y,5F,6M

Order code

Options code

IPG	1	BR	1BA	2Y	5F	6M
Pressure Type	Accuracy	Range	Temperature Compensation	Electrical Output	Pressure Connection	Electrical Termination
IPG Gauge	1 0.15 %	AT 5 psi	1BA -10 °C to 85 °C [14 °F to 185 °F] *	2AC 0.5 Vdc to 4.5 Vdc, CE approved	5B 1/4in-18 NPT male	6M DIN 43650 standard
	2 0.25 %	AV 10 psi	1AK 4 °C to 60 °C [40 °F to 140 °F] **	2AD 0.25 Vdc to 10.25 Vdc, CE approved	5D 7/16in-20 UNF male	6N DIN 40050 (Mini)
		BJ 15 psi	* 100 psi to 5000 psi available in -10 °C to 85 °C [14 °F to 185 °F]	2Y 4 mA to 20 mA, two wire, CE approved	5F 1/4 B female	
		BL 25 psi	** 5 psi to 75 psi and 7500 psi to 10000 psi (0.5 bar to 3.5 bar, 700 bar) available in 4 °C to 60 °C [40 °F to 140 °F]		5G 1/4 B male	
		BM 30 psi				
		BN 50 psi				
		BP 75 psi				
		BR 100 psi				
		CJ 150 psi				
		CL 200 psi				
		CN 250 psi				
		CR 500 psi				
		CT 750 psi				
		CV 1000 psi				
		DJ 1500 psi				
		DL 2000 psi				
		DN 3000 psi				
		DR 5000 psi				
		DT 7500 psi				
		DV 10000 psi				