

G4 Piezoresistive Series Pressure Transducers with isolated stainless steel diaphragm.



FEATURES

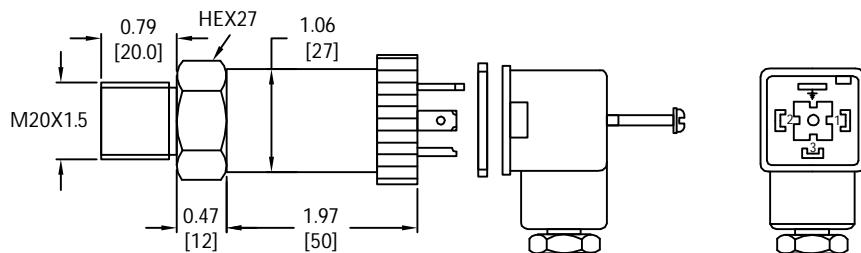
- Accuracy: $\leq \pm 0.25\% \text{F.S.}$
- Wide working temperature scope
- Advanced digital temperature compensation.
- Excellent resistance against, Shock and erosion.
- Highly-efficient lighting absorption and strong RFI & EMI resistance
- Impact resistance and disturbance
- 1.5 times range standard overload.
- 3 times range burst pressure
- mV signal output.

APPLICATIONS

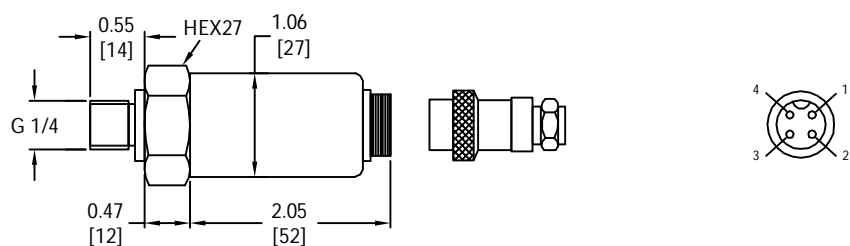
- Industrial course testing and control, Automatic testing system, Petrochemical industry, Hydraulic and pneumatic systems, Pump station and water treatment system, Laboratory equipment, Industrial machinery manufacture, Automatic detection system, Saving water to irrigate.

OUTLINE DIMENSIONS

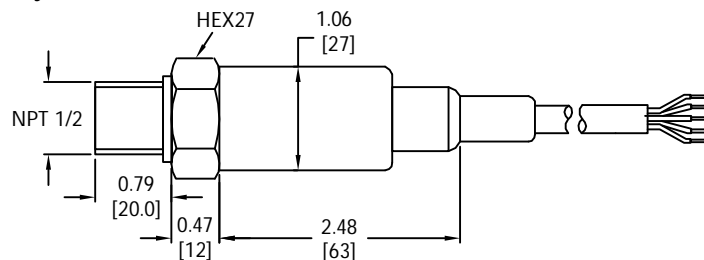
DIN43650 :



M12 4Pins Connector :



Directly cable :



Note : Any process connection can be outfitted with any electrical connection.

pressure transducer G200-S

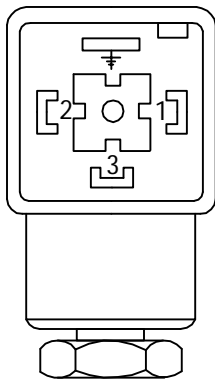


SPECIFICATIONS

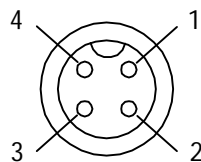
Pressure type	Gauge, Absolute or Sealed	
Pressure range	bar(psi)	-1...0 , 0-0.1, ...1000 (-14.5...0, 0-1.45, ...14503.8)
Overload	%FS	150
Burst pressure	%FS	300
Power supply	VDC	10 or 5
Output	mV	0-30... 350
Electronic wire	4 wire	
Accuracy(Included Linearity,Hysteresis,Repeatability)	%FS	$\leq \pm 0.5$ (Nominal), $\leq \pm 0.25$ (Pressure ≥ 100 kPa)
Long term stability	%FS/ Year	0.1 (0.2 max)
Zero temp drift	%FS/°C	$\leq \pm 0.02$ (≤ 100 kPa) $\leq \pm 0.01$ (>100kPa)
FS temp drift	%FS/°C	$\leq \pm 0.02$ (≤ 100 kPa) $\leq \pm 0.01$ (>100kPa)
Temperature compensation	°C	0...50
Working temperature	°C	-30... +85
Storage temperature	°C	-40... +100
Insulation resistance @ 50V DC	MΩ	>100
Medium compatible	Various media compatible with the stainless steel 316 L	
Electrical connection	Terminal Box DIN43650 IP65, M12 4Pins Connector, Directly cable IP67/IP68 outlet.	
Process connect port	1/4"NPT Male, 1/2"NPT Male, G1/2"... (by order)	
Response time	≤ 10 ms	
Water Proof Grade	IP65 to IP68 by model	

ELECTRICAL CONNECTION

DIN43650 :



M12 4Pins Connector :



Power supply +	Red
Power supply -	Black
Signal output +	Blue and Green
Signal output -	white and Yellow
Ground wire & Shielded wire	NA

Note : Mating connector cable and direct cable length is 2 meters (Optional).

Group Four Transducers

22 Deer Park Drive,
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Phone : (800) 419 1444
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pressure transducer
G200-S

PART NUMBER SELECTION

#	Description	Capacity	Unit	Pressure Type	Pressure Connection	Output	Electrical Connection	Variation
Series	P							
Capacity	Capacity	XXXX						
Unit	psi		P					
Pressure Type	Gage			G				
	Absolute			A				
	Sealed			S				
Pressure Connection	NPT 1/4 Male				01			
	NPT 1/2 Male				05			
	G 1/4 Male				06			
	G 1/2 Male				07			
	M20X1.5 Male				08			
	By Customized				XX			
Output	mV/V				A			
Electrical Connection	Cable					00		
	M12 Connection					01		
	DIN 43650					04		
Variation	1 digit for Variation							X

Dimensions and specifications subject to change without notice



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