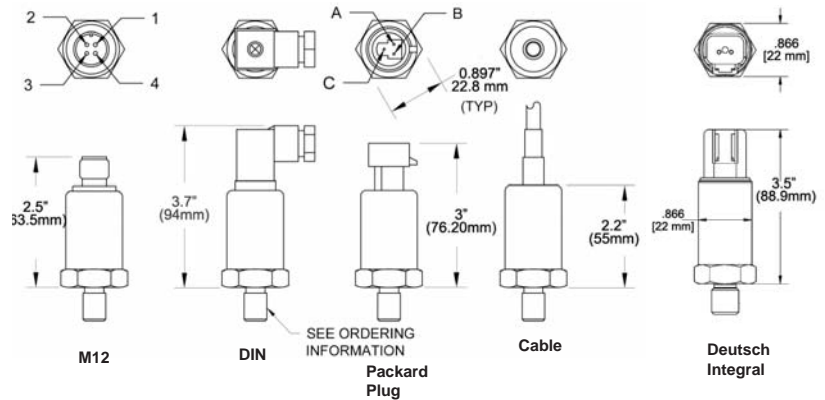




Sensing Element: Silicon Strain Gauge



Wiring Data Information													
DIN Connector PIN Function (- 80)					Cable Connector WIRE Function					Deutsch 2 Pin Wiring (- 80)			
Signal Output	Pin 1	Pin 2	Pin 3	Pin 4	Signal Output	RED	BLUE	BLACK	WHITE	Signal Output	Pin 1	Pin 2	
mA	Supply V+	Output	N/A	N/A	mA (-82)	Supply V+	N/A	Output	N/A	mA	Supply V+	Output	
V	Supply V+	Output	Common	N/A	V (-85)	Supply V+	N/A	Common	Output	V	N/A	N/A	
M12 PIN Function (- 87 )					Packard Plug PIN/WIRE Function (- 89)				Deutsch 3 Pin Wiring (- 81)				
Signal Output	Pin 1	Pin 2	Pin 3	Pin 4	Signal Output	A/BLACK	B/RED	C/GREEN		Signal Output	Pin A	Pin B	Pin C
mA	Supply V+	N/A	N/A	Output	mA	N/A	Supply V+	Output		mA	N/A	N/A	N/A
V	Supply V+	N/A	Common	Output	V	Common	Supply V+	Output		V	V+	Common	Output

The JTC pressure transducers offer high quality, high stability, stainless steel compact design, ideal for the industrial environment. JTC series uses MEMS technologies, compensated with digital ASIC and designed with EMI/RFI circuit built in. The transducers are widely used in air compressors, air conditioning and refrigeration equipment, automotive and hydraulic control.

**ELECTRICAL:**

Output:  
 4 - 20mA (2 wire)      Supply:  
 10 -30 vdc (2wire)  
 0 - 5V,                    10 -30 vdc (3 wire)  
 0 - 10V                    10 -30 vdc (3 wire)  
 1 - 5V                      10 -30 vdc (3 wire)  
 0.5 - 4.5V (ratiometric) 5 vdc (3 wire)

**ACCURACY:**  
 ± 0.5% (Full Scan)

**RESPONSE TIME:**  
 < 10 milliseconds

**ZERO OFFSET**  
 ≤ +/-1% FS

**PROTECTION:**

IP65 with DIN, Packard Plug, Cable  
 M12X1, Integral Deustch

**OPERATING TEMPERATURE:**  
 -40° to 257°F (-40° to 125°C)

**COMPENSATION TEMPERATURE:**  
 32° to 158°F (0° to 70°C)

**STORAGE TEMPERATURE:**  
 -58° to 257°F (-50° to 125°C)

**SPAN OFFSET:**  
 ≤ +/-1% FS

**PRESSURE RANGE:**

Min 0/60psi (0/4 Bar)  
 to 0/10,000 PSI (0 to 690 Bar)

**OVERLOAD PRESSURE:**  
 2x Full Scan

**MATERIAL:**  
 Wetted Area: Silicon Gauge  
 Body: 304 Stainless Steel

**BURST PRESSURE:**  
 5X of Full Scale (Maximum:21,760 psi)

**ORDERING INFORMATION**

JTC	- A	- 0/3000	- 4M	- HCM	- 80 *
Model	Type	Pressure Range	Port Size	Terminal	Pin Out
JTC	A: 4 - 20 mA (2 wire) B: 0 - 5V (3 wire) C: 0 - 10V (3 wire) D: 0.5 - 4.5 (3 wire) ratiometric E: 1 - 5V (3 wire)	Specify Pressure Range Required  <i>Note: Standard Ranges</i> 0/100 PSI, 0/300 PSI, 0/600 PSI, 0/1500 PSI, 0/3000 PSI, 0/5000 PSI, 0/6000 PSI, 0/9000 PSI  <b>Consult Factory for Other Ranges</b>	4M - 1/4 NPT 4S - 7/16 X 20 SAE MALE 2G - 1/8 BSPP* 4G - 1/4 BSPP* (undercut for an o-ring seal) 4GS- 1/4 BSPP* (no undercut)  *Non Standard	PP - Packard Plug M - M12X1 C - 39" (1 Meter) Cable (Std) HCM - DIN 43650C Mini DIN HC - DIN43650A Large DIN Cable Clamp HN - DIN43650A Large DIN 1/2" Conduit (female) DI - Deutsch Integral	See Above Wire Data Information  * For other Electrical Pin Out options refer to page 48