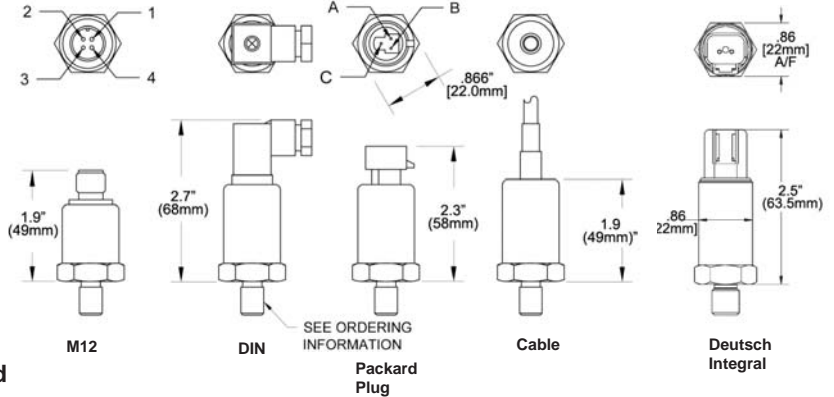




Sensors Inc.®



Sensing Element: Glass Micro-Fused

Wiring Data Information

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

The **GTC** pressure transducers offer a Glass Micro-Fused sensing element, MEMS technology, Long Term Stability, Stainless Steel Compact design.

ELECTRICAL:

Output: Supply:
 4 - 20mA (2 wire) 12 -35 vdc (2wire)
 0 - 5V 10 -35 vdc (3 wire)
 0 - 10V 10 -35 vdc (3 wire)
 1 - 5V 10 -35 vdc (3 wire)
 0.5 - 4.5V (ratiometric) 5 vdc (3 wire)

ACCURACY:

Including Linearity, Hysteresis and Repeatability: ± 0.5% (Full Scan)

PROTECTION:

IP65 with DIN
 IP67 with Packard Plug, Cable, M12X1, Integral Deustch

OPERATING TEMPERATURE:

-40° to 257°F (-40° to 125°C)

COMPENSATION TEMP:

14° to 158°F (-10° to 70°C)

STORAGE TEMPERATURE:

-40° to 257°F (-40° to 125°C)

ZERO TEMP. COEFFICIENT:

±1.5% Full Scan max
 -4° to 185°F (-20° to 85°C)

SPAN TEMP. COEFFICIENT:

±1.5% Full Scan max
 14° to 158°F (-10° to 70°C)

PRESSURE RANGE:

0 - 8700 PSI (0 - 600 Bar)

OVERLOAD PRESSURE:

3x Full Scan ≤ 10PSI, 2x Full Scan ≤ 6000PSI
 1.3x Full Scan above 6000 psi

MATERIAL:

Body: 304 Stainless Steel
 Sensing Element: Glass Micro-Fused

RESPONSE TIME:

1 millisecond

ORDERING INFORMATION

GTC	- A	- 0/3000	- 4M	- HCM	- 80 *
Model	Type	Pressure Range	Port Size	Terminal	Pin Out
GTC	A: 4 - 20mA (2 wire) B: 0 - 5V (3 wire) C: 0 - 10V (3 wire) D: 0.5 - 4.5V (3 wire) E: 1 - 5V (3 wire)	Specify Pressure Range Required Note: Ranges Available 0/70 PSI(0/5 Bar) 0/85 PSI (0/6 Bar), 0/150 PSI (0/10 Bar), 0/300 PSI (0/21 Bar), 0/600 PSI (0/40 Bar), 0/1500 PSI, (0/100 Bar), 0/3000 PSI (0/200 Bar), 0/ 6000 PSI (0/400 Bar) 0/8700 PSI (0/600 Bar) Consult Factory for Other Ranges	2M- 1/8" NPT 4M - 1/4 NPT 4S - 7/16 x 20 SAE Male 4G - 1/4 BSPP (undercut for an o-ring seal) 4GS- 1/4 BSPP (no undercut) M12 - M12 X 1.5 M14 - M14 X 1.5 Consult Factory for other sizes	PP - Packard Plug C - Cable (standard 3 ft long) M - M12X1 HCM - DIN 43650C Mini DIN DI - Deutsch Integral	See Above Wire Data Information * For other Electrical Pin Out options refer to page 36