



CE RoHS

Features

- Vacuum ranges to 10,000 PSI
- Various outputs
- Compact designs
- 316 stainless steel wetted parts
- Low cost
- Industrial 1% accuracy
- Custom outputs and ranges available
- OEM tested and approved

Application

- Hydraulic/mobile hydraulic
- Pneumatic systems
- Food and beverage industry
- Refrigeration systems
- Pumps and compressors
- Energy and water management
- Construction and agricultural equipment

Description

The NT100 Series Pressure Transducer utilizes piezoresistance technology in an all stainless steel body. It is compact in size, has long term stability, is easy to install, and is very economical, as well as reliable.

The NT100 sets a new price-performance standard for low cost, high volume commercial and industrial applications.

How to Order (Example: Part Number: NT100 - 03 - B - 0500 - G - D00 - 4)

Model

Media Connection	Output	Pressure Range (PSI)	Pressure Type	Electrical Connection	Accuracy
NT100 - 03 - B - 0500 - G - D00 - 4					
03 = 1/4" NPT Male	B = 4-20mA	V000	G = Gauge	D00 = 9.4 mini DIN	4 = 1% **
09 = 7/16-20"	C = 0-5 vdc	V015		B00 = 3 pin Packard	
10 = 9/16-18" UNF Male	D = 0-10 vdc	V045		Q00 = M12	
13 = G1/4" Male	K = Ratio metric ** .5-4.5 vdc	V085			
		0015			
		0025			
		0050			
		0100			
		0250			
		0500			
		1000			
		3000			
		5000			
		**			

** Consult factory for further OEM options.

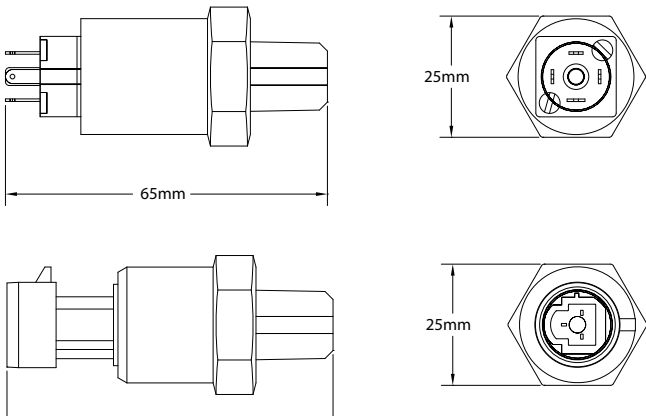
Specifications

Input	
Supply Voltage	8-28 VDC
Pressure Range	VAC to 10,000 PSI
Proof Pressure	1.5 x full scale
Burst Pressure	3 x full scale
Fatigue Life	More than 4 million cycles

Performance	
Accuracy	1%
Stability	0.2% full scale
Compensated Temperatures	-10 to 75°C (14 to 167°F)
Operating Temperatures	-20 to 80°C (-4 to 176°F)
Zero and Span Offset Tolerance	1.5%

Mechanical Configuration	
Pressure Port	1/4 NPT (standard) *
Electrical Connection	9.4 mini DIN, 3 pin Packard *
Sealing Rating	IP65 with standard 9.4 DIN cable
Wetted Parts	316 stainless steel

For best performance, use shielded cables. Mating cable assemblies sold separately. * Consult factory for further OEM options.



Electrical Connections

Signal	Function	Color	Pin	Electrical Connector
0-5V	Supply V +	Red	1	DIN 4 pin (9.4)
	Com	Black	2	
	Output	White	3	
	N/A	N/A	4	
4-20mA	Supply V	Red	1	3 pin Packard
	Output	Black	2	
0-5V	Com	-	A	
	Supply +	-	B	
	Output +	-	C	
4-20mA	Output	-	A	
	Supply +	-	B	