



PT10 SERIES

- Gauge, compound, absolute and vacuum ranges from 2 psig to 15,000 psig
- Compact size
- Current and voltage outputs available
- 316 Stainless Steel wetted parts
- RoHS compliant
- Built to CE standards to suppress RFI, EMI and ESD

APPLICATIONS

- Hydraulics & pneumatics
- Automotive
- Pumps & compressors
- Refrigeration controls
- Mobile equipment
- General industrial

PROCESS CONNECTIONS

- 1/8 NPT
- 1/4 NPT
- 1/2 NPT
- 7/16-20 Female Schrader
- 7/16-20 Male SAE -4
- 9/16-18 Male SAE -6
- G 1/4 A Male ISO 1179-2

other options available, consult factory

ELECTRICAL CONNECTIONS

- 4-pin Bayonet
- 6-pin Bayonet
- 4-pin M12
- 3-pin Packard
- 2-pin Deutsch
- 3-pin Deutsch
- 4-pin Deutsch
- DIN form A
- DIN form C
- Integral Cable

other options available, consult factory

SPECIFICATIONS

Output signals	4 mA to 20 mA, 2-wire; 0 Vdc to 5 Vdc, 3-wire; 1 Vdc to 5 Vdc, 3-wire; 0 Vdc to 10 Vdc, 3-wire; 0.5 to 4.5 Vdc, 3-wire; 0.5 to 4.5 Vdc ratiometric, 3-wire	
Pressure ranges	Gauge, compound, absolute and vacuum ranges from 2 psi to 15,000 psi	
Accuracy*	±0.50% of span, non-linearity best fit straight line per IEC 61298-2 at reference conditions	
Response time	< 1 ms	
Service life	> 10 million load cycles	
Temperature ranges*	Compensated:	-4 °F to 185 °F (-20 °C to 85 °C)
	Media:	-22 °F to 221°F (-30 °C to 105 °C)
	Ambient:	-4 °F to 185°F (-20 °C to 85 °C)
	Storage:	-40 °F to 257 °F (-40 °C to 125 °C)
Power requirement*	12 Vdc to 36 Vdc:	4 mA to 20 mA, 2-wire 0 Vdc to 5 Vdc, 3-wire 1 Vdc to 5 Vdc, 3-wire 0 Vdc to 10 Vdc, 3-wire 0.5 to 4.5 Vdc non-ratiometric, 3-wire 0.5 to 4.5 Vdc ratiometric, 3-wire
	4.5 Vdc to 5.5 Vdc:	0.5 to 4.5 Vdc ratiometric, 3-wire
Proof pressure	< 7,500 psi:	2 times full scale
	7,500 – 10,000 psi:	1.5 times full scale
	> 10,000 psi:	1.2 times full scale
Burst pressure	< 7,500 psi:	3 times full scale
	7,500 – 10,000 psi:	2 times full scale
	> 10,000 psi:	1.5 times full scale
Measuring element	316 Stainless Steel	
Process connection	316 Stainless Steel	
Electrical connection	Stainless Steel and Glass Filled PA	
Housing material	304 Stainless Steel	
Environmental rating	IP65: DIN EN 175301-803 Form A, DIN EN 175301-803 Form C IP67: 4-pin Bayonet, 6-pin Bayonet, Packard, M12 x 1 (4-pin), Deutsch IP68: Integral cable (gauge reference devices <400 psi are IP67)	
Electromagnetic rating	Immunity per IEC 61000-6-2 Radiation per IEC 61000-6-3	
Electrical protection	Reverse polarity and short circuit protection	
Shock	200 g's according to IEC 60068-2-27	
Vibration	20 g's according to IEC 60068-2-6	
Weight	Approximately 4.5 oz.	

* See user manual for detailed specifications

ORDERING INFORMATION	
SERIES	PT10
Please consult your local NOSHOK Distributor or NOSHOK, Inc. for part number configuration.	

PT10 Process Connections

