



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
	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



WARNING: This product can expose you to chemicals including Nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

ORDERING INFORMATION

SERIES PT10

Please consult your local NOSHOK Distributor or NOSHOK, Inc. for part number configuration.

PT10 Process Connections

