

Fixed Range



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*	$\pm 0.50\%$ 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 Lead and Nickel, which are 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

