

PTI15 SERIES



- Compound and standard ranges from 0 psig to 10 psig through 0 psig to 7,500 psig
- 316L Stainless Steel wetted parts
- Current and voltage outputs available
- 7 different output configurations available
- Advanced functionality with optional IO-Link
- Display and electrical connection can be rotated independently
- RoHS compliant

APPLICATIONS

- Hydraulics & pneumatics
- Power generation
- Pumps & compressors
- Stamping & forming presses
- Water & wastewater

SPECIFICATIONS

Pressure ranges	Compound and standard ranges from 0 psig to 10 psig through 0 psig to 7,500 psig
Switching parameters	Individually adjustable via external control keys
Number	1 or 2 (PNP or NPN)
Function	N.O., N.C., window, hysteresis (freely adjustable)
Contact rating	250 mA max.
Response time	≤5 ms
Accuracy	≤ 0.5 % of span
Switch point	.25 to 100% of full scale
Hysteresis	Fully adjustable
Transmitter parameters	
Output signal	4 mA to 20 mA or 0 Vdc to 10 Vdc; programmable and freely adjustable
Accuracy	≤±0.5% of span including non-linearity, hysteresis, zero offset and end value deviation (corresponds to measured error per IEC 61298-2)
Non-repeatability	< 0.1% of span (IEC 61298-2)
Adjustment	Freely scalable within the range of 5:1
IO-Link	Version 1.1.4
Service life	100,000,000 load cycles
Temperature ranges	Compensated 32 °F to 176 °F (0 °C to 80 °C) Media -4 °F to 185 °F (-20 °C to 85 °C) Ambient -4 °F to 176 °F (-20 °C to 80 °C) Storage -4 °F to 158 °F (-20 °C to 70 °C)
Display	14 segment-LED, red 4-digit, height 0.35"
Power requirement*	15 - 35 Vdc
Current consumption	Max. 45 mA for versions without 4-20 mA output signal, Max. 70 mA for versions with 4-20 mA output signal, Total consumption max. 600 mA including switching current
Proof pressure	2 times full scale
Measuring element	<150 psi: 316L Stainless steel ≥150 psi: 316L, PH grade Stainless steel
Housing material	304 Stainless steel
Connection	316 stainless steel
Environmental rating	IP65 and IP67 per IEC 60529
Electromagnetic rating	RFI, EMI and ESD protection
Electrical protection	Protected against reverse polarity, over-voltage and short circuit
Shock	> 50 g's according to IEC 60068-2-27
Vibration	> 20 g's according to IEC 60068-2-6
Weight	Approx 0.49 lb.

* Unregulated

ORDERING INFORMATION				
SERIES	PTI15			
PRESSURE RANGES	15psiv -14.5 psig to 0 psig 15psic -14.5 psig to 15 psig 30psic -14.5 psig to 30 psig 50psic -14.5 psig to 50 psig 100psic -14.5 psig to 100 psig 160psic -14.5 psig to 160 psig 200psic -14.5 psig to 200 psig 300psic -14.5 psig to 300 psig 10psig 0 psig to 10 psig	15psig 0 psig to 15 psig 25psig 0 psig to 25 psig 30psig 0 psig to 30 psig 50psig 0 psig to 50 psig 100psig 0 psig to 100 psig 160psig 0 psig to 160 psig 200psig 0 psig to 200 psig 300psig 0 psig to 300 psig 500psig 0 psig to 500 psig	1000psig 0 psig to 1,000 psig 1500psig 0 psig to 1,500 psig 2000psig 0 psig to 2,000 psig 3000psig 0 psig to 3,000 psig 5000psig 0 psig to 5,000 psig 7500psig 0 psig to 7,500 psig 10psia 0 psia to 10 psia 15psia 0 psia to 15 psia 25psia 0 psia to 25 psia	30psia 0 psia to 30 psia 50psia 0 psia to 50 psia 100psia 0 psia to 100 psia 160psia 0 psia to 160 psia 200psia 0 psia to 200 psia 300psia 0 psia to 300 psia
	psiv = vacuum gauge pressure psic = compound gauge pressure psig = gauge pressure psia = absolute pressure Other ranges available upon request.			
ACCURACY	1 ±0.5% (of span, non-linearity, BFSL per IEC 61298-2 at reference conditions)			
SWITCH-OUTPUT	1 2 N.O. or N.C. (PNP or NPN) 2 1 N.O. or N.C. (PNP or NPN) with 4 mA to 20 mA 3 1 N.O. or N.C. (PNP or NPN) with 0 Vdc to 10 Vdc 4 2 N.O. or N.C. (PNP or NPN) with 4 mA to 20 mA*	5 2 N.O. or N.C. switch (PNP/NPN) with 0 Vdc to 10 Vdc* 6 1 N.O. or N.C. switch (PNP/NPN) with 4 mA to 20 mA/0 Vdc to 10 Vdc** 7 2 N.O. or N.C. switch (PNP/NPN) with 4 mA to 20 mA/0 Vdc to 10 Vdc**		
PROCESS CONNECTIONS	2 1/4" NPT male 8 1/2" NPT male	10 G1/4B EN837 45 7/16-20 SAE J514 FIG 34B (Non-Adjustable)	83 G 1/2 B EN837	
ELECTRICAL CONNECTIONS	25 M12 x 1 (4-pin)	48 M12 x 1 (5-pin)		
OPTION	IOL With IO-Link	ST8 Threaded Orifice (0.8 mm)		

Please consult your local NOSHOK Distributor or NOSHOK, Inc. for availability and delivery information.

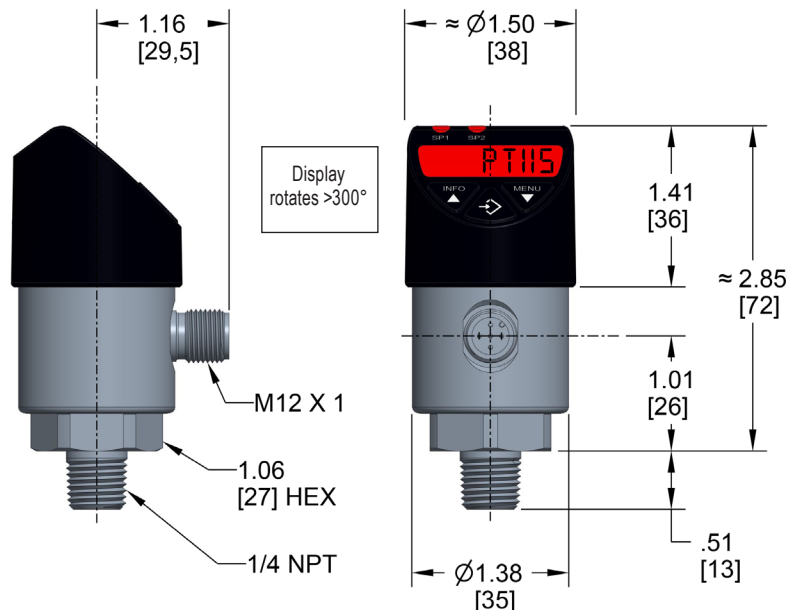
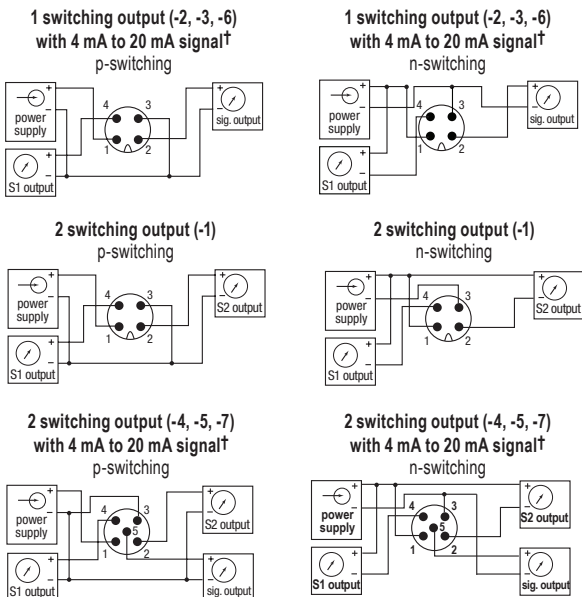
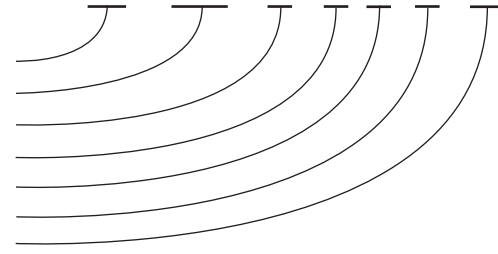
* Available only with a M12 x 1 (5-pin) connector

** Can switch between 4 mA to 20 mA / 0 Vdc to 10 Vdc

EXAMPLE

Series PTI15 Series
 Pressure Range 0 psig to 15 psig
 Accuracy ±0.5% of span (BFSL)
 Output-Switch 2 N.O. or N.C. (PNP or NPN)
 Process connection 1/4 NPT male
 Electrical connection M12 x 1 (4-pin)
 Option With IO-Link

PTI15 - 15psig - 1 - 1 - 2 - 25 - IOL



† Also applies to 0 Vdc to 10 Vdc output