



## PTI30 SERIES

- Adjustable pressure ranges vacuum to 1,450 psig
- All ranges are user adjustable from vacuum to full scale with standard on board display
- 4 mA to 20 mA HART® optional pressure transmitter
- Accuracy  $\pm 0.1\%$  of adjusted span
- 10:1 turn down
- All Stainless Steel construction with 316 Stainless Steel wetted parts
- CE compliant to suppress RFI, EMI and ESD

### APPLICATIONS

- General industrial
- Pulp & paper
- Water & wastewater
- Power generation
- Food & beverage

### SPECIFICATIONS

<b>Output signals</b>	4 mA to 20 mA 2-wire, 4 mA to 20 mA 2-wire with HART®
<b>Adjustable pressure ranges</b>	5 psig to 1,450 psig (All ranges are user adjustable from vacuum to full scale)
<b>Accuracy</b>	0.1% of adjusted span (Turn down 10:1)
<b>Stability</b>	<0.1%/year
<b>Adjustment</b>	By 3 push buttons on display or optional HART® protocol
<b>Response time</b>	<250 ms
<b>Service life</b>	>10 years
<b>Temperature ranges</b>	Media -4 °F to 176 °F (-20 °C to 80 °C) Ambient -4 °F to 158 °F (-20 °C to 70 °C) Flange -4 °F to 212 °F (-20 °C to 100 °C)
<b>Power requirement*</b>	12 Vdc to 36 Vdc
<b>Measuring element</b>	316 Stainless Steel (Hastelloy C, Tantalum or Goldplated optional)
<b>Connection</b>	316 Stainless Steel
<b>Housing material</b>	304 Stainless Steel (316 Stainless Steel optional)
<b>Environmental rating</b>	IP66 (IP68 optional)
<b>Electromagnetic rating</b>	CE compliant to EMC-Directive 2014/30/EU RFI, EMI and ESD protection
<b>Weight</b>	Approximately 3.3 lb. (Depending on process connection)

\* Unregulated

ORDERING INFORMATION					
<b>SERIES</b>	PTI30				
<b>ADJUSTABLE PRESSURE RANGES</b>	<b>5psig</b>	Min. span 1.45 psi, max. span 5.8 psi (lowest vacuum pressure -5.8 psig)	<b>435psig</b>	Min. span 72.5 psi, max. span 435 psi (lowest vacuum pressure -15 psig)	
	<b>17psig</b>	Min. span 4 psi, max. span 17.4 psi (lowest vacuum pressure -15 psig)	<b>1450psig</b>	Min. span 290 psi, max. span 1,450 psi (lowest vacuum pressure -15 psig)	
	<b>145psig</b>	Min. span 14.5 psi, max. span 145 psi (lowest vacuum pressure -15 psig)	psig = gauge pressure      All ranges can be user scaled in vacuum or compound		
<b>ACCURACY</b>	1 ±0.1% of adusted span (10:1 turn down)				
<b>OUTPUT SIGNALS</b>	1	4 mA to 20 mA, 2-wire	43	4 mA to 20 mA, 2-wire with HART®	
<b>PROCESS CONNECTIONS</b>	8	1/2" NPT male	74	1-1/2" NPT male flush	
	69	1/2" NPT female	75	Threaded flush diaphragm for flange (flange not included)	
	73	1" NPT male flush	76	1-1/2" ANSI 150# Flange	
<b>ELECTRICAL CONNECTIONS</b>	25	M12 x 1 (4-pin)	28	1/2" NPT Female	
	71	PG9 Cable Gland			
	<b>OPTIONS</b>	CC	Certified Calibration	RMT-10	Remote Mount Head with 10 ft cable *
				TC	Transparent Cover (for display)

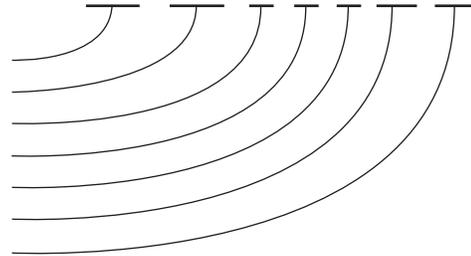
Please consult your local NOSHOK Distributor or NOSHOK, Inc. for availability and delivery information.

\*Custom Lengths Available, Consult Factory

### EXAMPLE

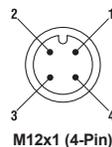
Series ..... PTI30 Series  
 Adjustable pressure range ..... Min. span 1.45 psi, max. span 5.8 psi  
 Accuracy ..... ±0.2% of adusted span  
 Output signal ..... 4 mA to 20 mA, 2-wire  
 Process connection ..... 1/2" NPT Male  
 Electrical connection ..... 1/2" NPT Female  
 Option ..... Transparent Cover

**PTI30 - 5psig - 1 - 1 - 8 - 28 - TC**



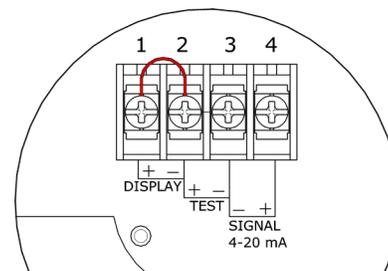
UNINSTALLED OPTIONS & ACCESSORIES			
PTI-FLANGE-15-150LB	1-1/2" ANSI 150# Flange only	PTI-15-PMC-WA	1-1/2" in PMC Weld Adapter
PTI-FLANGE-20-150LB	2" ANSI 150# Flange only	PTI-PMC-GASKET-15	PTFE Gasket for 1 1/2" PMC
PTI-FLANGE-30-150LB	3" ANSI 150# Flange only	PTI-PMC-ORING-1	FKM O-Rings for 1" PMC
PTI-10-PMC-WA	1" PMC Weld Adapter		

Consult factory for availability.



#### M12 x 1 (4-PIN) WIRING

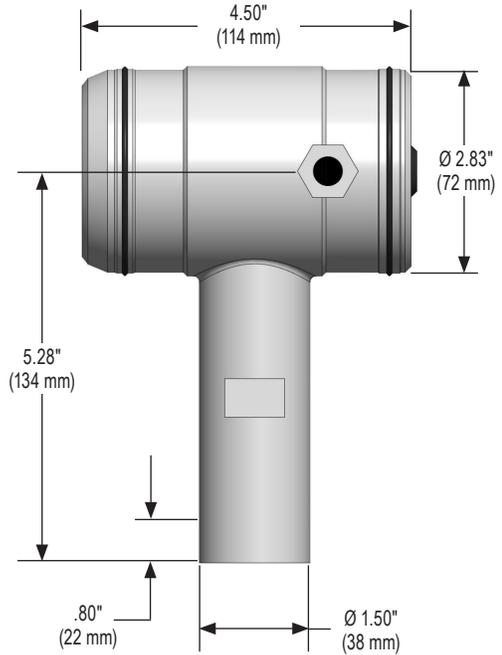
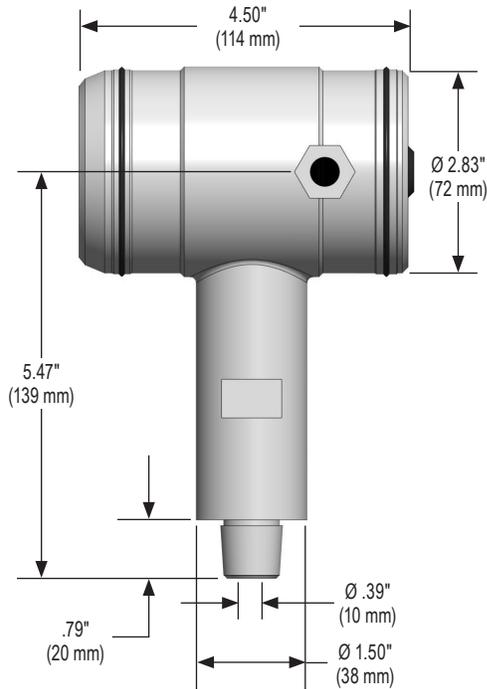
1	V+
2	Not used
3	V-
4	Not used



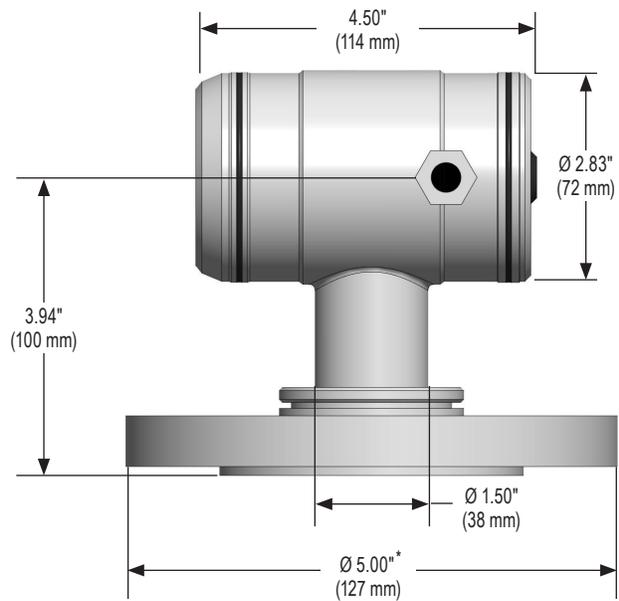
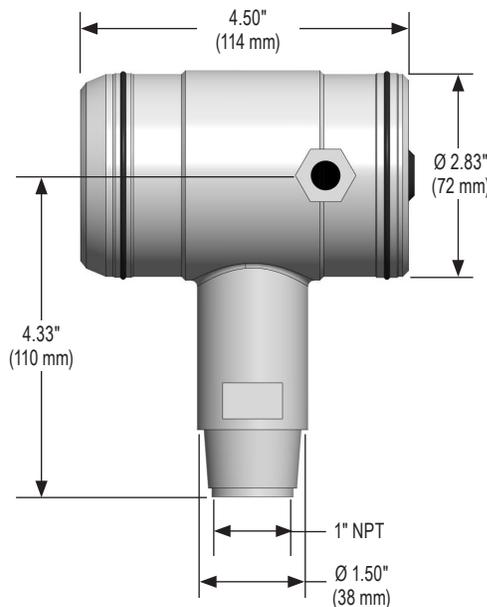
#### TERMINAL CONNECTION

3	V-
4	V+

**PTI30-8 (1/2" NPT Male)**                      **PTI30-69 (1/2" NPT Female)**



**PTI30-73 (1" NPT Male)**                      **PTI30-76 (Flange)\***



\* Dimensions for PTI30-77 (Flange) Ø 6.00" (152 mm)

\* Dimensions for PTI30-78 (Flange) Ø 7.50" (190 mm)

**PTI30-79 (1" PMC)** **PTI30-80 (1-1/2" PMC)**

