



# PTI40 SERIES

- Adjustable pressure ranges 1 psid to 300 psid
- All ranges are user adjustable from vacuum to full scale with standard on board display
- 4 mA to 20 mA HART® pressure transmitter
- Accuracy ±0.075% of adjusted span
- 100:1 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 with HART®
<b>Pressure ranges</b>	0.15 psid to 300 psid
<b>Accuracy</b>	0.075% of adjusted span (Turn down up to 100:1)
<b>Stability</b>	<0.1%/year
<b>Adjustment</b>	By 1 push button joystick on display or HART® protocol
<b>Static pressure</b>	Max 2320 psi (160 bar) Optional 3625 psi (250 bar)
<b>Response time</b>	<200 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)
<b>Power requirement*</b>	12 Vdc to 36 Vdc
<b>Measuring element</b>	316 Stainless Steel (Hastelloy C or Gold plated 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 6.9 lb.

\* Unregulated

ORDERING INFORMATION	
SERIES	PTI40
ADJUSTABLE PRESSURE RANGES	<b>1psid</b> Min span 0.15 psi, max span 1 psi <b>6psid</b> Min span 0.15 psi, max span 6 psi <small>psid = differential gauge pressure All ranges can be user scaled in vacuum or compound.</small>
ACCURACY	<b>1</b> ±0.075% of adjusted span (100:1 turndown)
OUTPUT SIGNALS	<b>43</b> 4 mA to 20 mA, 2-wire with HART®
PROCESS CONNECTIONS	<b>81</b> 1/4" NPT Female, IEC 61518 flange with bleed valves
ELECTRICAL CONNECTION	<b>28</b> 1/2" NPT Female
OPTIONS	<b>TC</b> Transparent Cover (for display)

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

NOTE: Manifold and mounting options available, see NOSHOK Valve Product Solutions catalog

### EXAMPLE

**PTI40 - 6psid - 1 - 43 - 81 - 28 - TC**

Series ..... PTI40 Series

Adjustable pressure range ..... Min span 0.15 psi, max span 6 psi

Accuracy ..... ±0.075% of adjusted span

Output signal ..... 4 mA to 20 mA, 2-wire with HART®

Process connection ..... 1/4" NPT female, IEC 61518 flange with bleed valves

Electrical connection ..... 1/2" NPT Female

Option ..... Transparent Cover

## PTI40

TERMINAL CONNECTION	
1	Voltage supply/Output signal (4 mA to 20 mA)
2	Internal Ground