

# Intelligent Pressure & Level Transmitter



## 25 SERIES

- Ranges from -160 inH<sub>2</sub>O vac to 1,160 psig
- Hart® protocol output available
- 316 Stainless Steel wetted parts
- Strong flush diaphragm with minimal fill volume
- Can be cleaned-in-place (CIP) or steamed-in-place (SIP)
- 3A certified



### APPLICATIONS

- Food & dairy
- Chemical processing
- Pharmaceutical

### FEATURES & BENEFITS

- All Stainless Steel housing
- Easy programming and range adjustment without test pressure via on-board display
- Accuracy 0.2% of adjusted span
- 4:1 turn down
- Active temperature compensation
- Hart® protocol optional

### SPECIFICATIONS

Output signals	4 mA to 20 mA 2-wire, 4 mA to 20 mA 2-wire and Hart® signal
Pressure ranges	-160 inH <sub>2</sub> O vac to 1,160 psig
Accuracy	0.2% of adjusted span
Stability	<0.1%/year
Adjustment	By 3 push buttons on display or optional Hart® signal
Response time	<100 ms
Service life	>10 years
Temperature ranges	-4 °F to 212 °F (-20 °C to 100 °C); 293 °F (145 °C) for 45 min.
Power requirement*	12 Vdc to 36 Vdc
Measuring element	316 Stainless Steel (Hastelloy C or Tantalum optional)
Connection	316 Stainless Steel
Housing material	304 Stainless Steel (316 Stainless Steel optional)
Environmental rating	IP66 (IP68 optional)
Electrical protection	IP66 (NEMA 4X), IP68 (NEMA 6) optional
Weight	Approximately 2.20 lb. (Depending on process connection)

\* Unregulated



ORDERING INFORMATION			
SERIES	254		
TRI-CLAMP SIZE	12	1-1/2"	24 3"
	16	2"	
PRESSURE RANGES (Adjustable)	40inH <sub>2</sub> O-vac	-40 inH <sub>2</sub> O to 0 inH <sub>2</sub> O*	16/40 inH <sub>2</sub> O 0 inH <sub>2</sub> O to 16 inH <sub>2</sub> O to 0 inH <sub>2</sub> O to 40 inH <sub>2</sub> O (.6 psig to 1.45 psig)
	160inH <sub>2</sub> O-vac	-160inH <sub>2</sub> O to 0 inH <sub>2</sub> O	40/160 inH <sub>2</sub> O 0 inH <sub>2</sub> O to 40 inH <sub>2</sub> O to 0 inH <sub>2</sub> O to 160 inH <sub>2</sub> O (1.45 psig to 5.8 psig)
	14.7/43-vac	-14.7 psig to 43 psig	160/637 inH <sub>2</sub> O 0 inH <sub>2</sub> O to 160 inH <sub>2</sub> O to 0 inH <sub>2</sub> O to 637 inH <sub>2</sub> O (5.8 psig to 23 psig)
	14.7/130-vac	-14.7 psig to 130 psig	14.5/58 14.5 psig to 58 psig (0 inH <sub>2</sub> O to 400 inH <sub>2</sub> O to 0 inH <sub>2</sub> O to 1,607 inH <sub>2</sub> O)
	14.7/335-vac	-14.7 to 335 psig	29/145 29 psig to 145 psig (0 inH <sub>2</sub> O to 803 inH <sub>2</sub> O to 0 inH <sub>2</sub> O to 4,017 inH <sub>2</sub> O)
	14.7/1145-vac	-14.7 psig to 1,145 psig	87/350 87 psig to 350 psig (0 inH <sub>2</sub> O to 2,410 inH <sub>2</sub> O to 0 inH <sub>2</sub> O to 9,697 inH <sub>2</sub> O)
			290/1160 290 psig to 1,160 psig (0 inH <sub>2</sub> O to 8,035 inH <sub>2</sub> O to 0 inH <sub>2</sub> O to 32,140 inH <sub>2</sub> O)
ACCURACIES	1	0.2% of adjusted span	
OUTPUT SIGNALS	1	4 mA to 20 mA, 2-wire	
	43	4 mA to 20 mA, 2-wire and Hart® signal	
ELECTRICAL CONNECTIONS	25	M12 x 1 (4-pin)	
	71	PG9 Cable Gland	
OPTIONS	TC	Transparent Cover (for display)	

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

\* Not available in 1-1/2" Tri-Clamp

EXAMPLE

Series .....

Tri Clamp size .....

Pressure range .....

Accuracy .....

Output signal .....

Electrical connection .....

Option.....

254 Series

1-1/2"

0 inH<sub>2</sub>O to 16 inH<sub>2</sub>O to 0 inH<sub>2</sub>O to 40 inH<sub>2</sub>O

0.2% of span

4 mA to 20 mA, 2-wire and Hart® signal

M12 x 1 (4-pin)

Transparent Cover

254

12

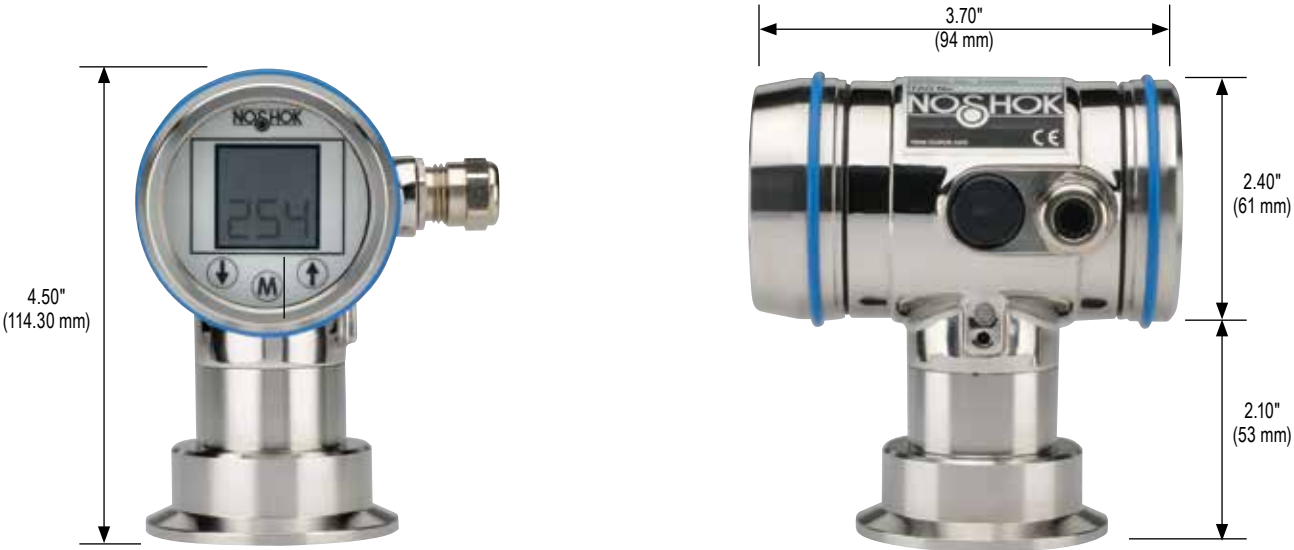
16/40 inH<sub>2</sub>O

1

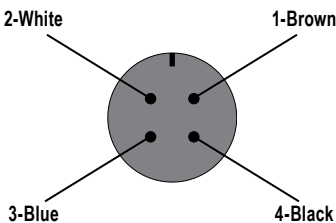
43

25

TC



M12 x 1 (4-PIN) WIRING		
1	Brown	V+
2	White	V-
3	Blue	Not used
4	Black	Not used



\*1-1/2", 2" and 3" Tri-Clamp connections available