Intelligent Pressure & Level Transmitter



25 SERIES

- Ranges from -160 inH_2O 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)
- Meets the requirements of 3-A

HART® COMMUNICATION PROTOCOL

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 inH20 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

⚠ **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	**254**			
TRI-CLAMP SIZE	**12**	1-1/2"	**24**	3"
	16	2"		
PRESSURE RANGES (Adjustable)	**40inH$_2$O-vac**	-40 inH$_2$0 to 0 inH$_2$O*	**16/40 inH$_2$O**	0 inH$_2$O to 16 inH$_2$O to 0 inH$_2$O to 40 inH$_2$O (.6 psig to 1.45 psig)
	160inH$_2$O-vac	-160inH$_2$O to 0 inH$_2$O	**40/160 inH$_2$O**	0 inH$_2$O to 40 inH$_2$O to 0 inH$_2$O to 160 inH$_2$O (1.45 psig to 5.8 psig)
	14.7/43-vac	-14.7 psig to 43 psig	**160/637 inH$_2$O**	0 inH$_2$O to 160 inH$_2$O to 0 inH$_2$O to 637 inH$_2$O (5.8 psig to 23 psig)
	14.7/130-vac	-14.7 psig to 130 psig	**14.5/58**	14.5 psig to 58 psig (0 inH$_2$O to 400 inH$_2$O to 0 inH$_2$O to 1,607 inH$_2$O)
	14.7/335-vac	-14.7 to 335 psig	**29/145**	29 psig to 145 psig (0 inH$_2$O to 803 inH$_2$O to 0 inH$_2$O to 4,017 inH$_2$O)
	14.7/1145-vac	-14.7 psig to 1,145 psig	**87/350**	87 psig to 350 psig (0 inH$_2$O to 2,410 inH$_2$O to 0 inH$_2$O to 9,697 inH$_2$O)
			290/1160	290 psig to 1,160 psig (0 inH$_2$O to 8,035 inH$_2$O to 0 inH$_2$O to 32,140 inH$_2$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
	28	1/2" NPT Female		
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 **254 – 12 – 16/40 inH2O – 1 – 43 – 25 – TC**

Series ..... 254 Series
Tri Clamp size ..... 1-1/2"
Pressure range ..... 0 inH$_2$O to 16 inH$_2$O to 0 inH$_2$O to 40 inH$_2$O
Accuracy ..... 0.2% of span
Output signal ..... 4 mA to 20 mA, 2-wire and Hart® signal
Electrical connection ..... M12 x 1 (4-pin)
Option ..... Transparent Cover





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

M12 x 1 (4-PIN) WIRING

1	Brown	V+
2	White	V-
3	Blue	Not used
4	Black	Not used

