

Electronic Indicating Transmitter/Switch



APPLICATIONS

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

800 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
- Display and electrical connection can be rotated independently
- CE compliant to suppress RFI, EMI and ESD
- RoHS compliant

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
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 185 °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	CE compliant to EMC norm EN 61326:2014/A1:1998 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



WARNING: This product can expose you to chemicals including Nickel, which is 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	800 304 Stainless steel housing				
SWITCH FUNCTIONS	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-wire analog output 3 1 N.O. or N.C. (PNP or NPN) with 0 Vdc to 10 Vdc 3-wire output 4 2 N.O. or N.C. (PNP or NPN) with 4 mA to 20 mA analog output* 5 2 N.O. or N.C. switch (PNP/NPN) with 0 Vdc to 10 Vdc 3-wire output * 6 1 N.O. or N.C. switch (PNP/NPN) with 4 mA to 20 mA/0 Vdc to 10 Vdc 3-wire output 2 ** 7 2 N.O. or N.C. switch (PNP/NPN) with 4 mA to 20 mA/0 Vdc to 10 Vdc 3-wire output *, **				
PROCESS CONNECTIONS	2 1/4" NPT male 8 1/2" NPT male 10 G 1/4 B male 11 G 1/2 B male 45 SAE J514 FIG 34B (Non-Adjustable)				
ADJUSTABLE RANGES (Max. working pressure)	14.5vac -14.5 psig to 0 psig 14.5/15 -14.5 psig to 15 psig 14.5/30 -14.5 psig to 30 psig 14.5/50 -14.5 psig to 50 psig 14.5/100 -14.5 psig to 100 psig 14.5/160 -14.5 psig to 160 psig 14.5/200 -14.5 psig to 200 psig 14.5/300 -14.5 psig to 300 psig 10 0 psig to 10 psig 15 0 psig to 15 psig 25 0 psig to 25 psig 30 0 psig to 30 psig 50 0 psig to 50 psig 100 0 psig to 100 psig 160 0 psig to 160 psig 200 0 psig to 200 psig 300 0 psig to 300 psig 500 0 psig to 500 psig 1000 0 psig to 1,000 psig 1500 0 psig to 1,500 psig 2000 0 psig to 2,000 psig 3000 0 psig to 3,000 psig 5000 0 psig to 5,000 psig 7500 0 psig to 7,500 psig 10A 0 psia to 10 psia 15A 0 psia to 15 psia 25A 0 psia to 25 psia 30A 0 psia to 30 psia 50A 0 psia to 50 psia 100A 0 psia to 100 psia 160A 0 psia to 160 psia 200A 0 psia to 200 psia 300A 0 psia to 300 psia				
ELECTRICAL CONNECTIONS	2 M12 x 1 (4-pin) 3 M12 x 1 (5-pin), 2 switch and analog output				
OPTIONS	ST8 Threaded Orifice				

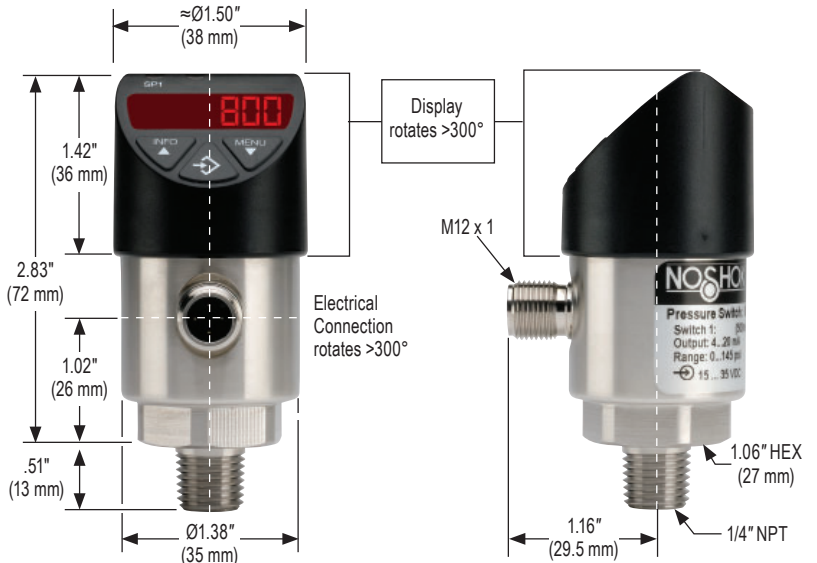
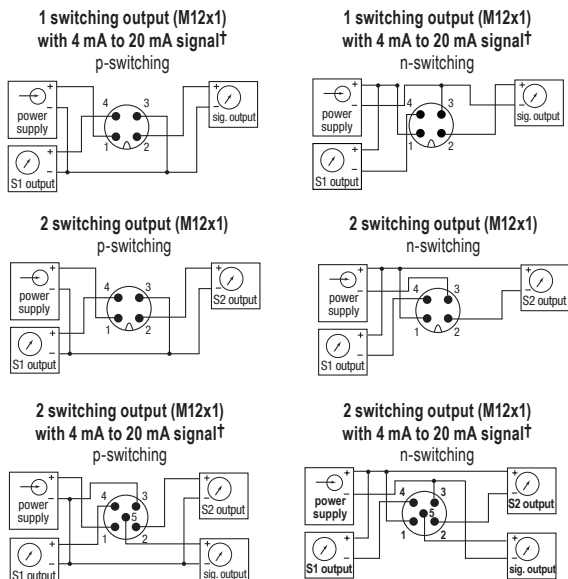
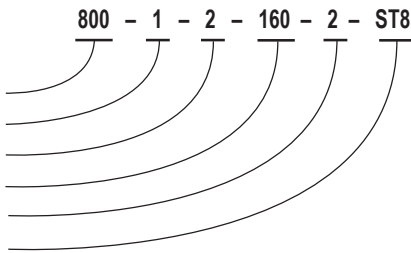
Please consult your local NOSHOK Distributor or NOSHOK, Inc. for availability and delivery information.

* 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 800 Series
 Switch function..... 2 N.O. or N.C. (PNP or NPN)
 Process connection 1/4" NPT Male
 Adjustable range 0 psig to 160 psig
 Electrical connection M12 x 1 (4-pin)
 Option Threaded Orifice



† Also applies to 0 Vdc to 10 Vdc output