



## APPLICATIONS

- HVAC
- Hydraulics & pneumatics
- Injection molding machines
- Railroad equipment
- Stamping & forming presses

## 300 SERIES

- Ranges from 0 psig to 15 through 0 psig to 10,000 psig; absolute ranges from 0 psia to 15 psia through 0 psia to 300 psia
- Current and voltage outputs available
- 316 and 13-8PH stainless steel wetted parts
- RoHS compliant
- CE compliant to suppress RFI, EMI and ESD

### SPECIFICATIONS

Output signals	4 mA to 20 mA, 2-wire; 0 Vdc to 5 Vdc, 3-wire; 1 Vdc to 5 Vdc, 3-wire; 0 Vdc to 10 Vdc, 3-wire; 0.5 Vdc to 4.5 Vdc ratiometric, 3-wire
Pressure ranges	0 psig to 15 psig through 0 psig to 10,000 psig Absolute from 0 psia to 15 psia through 0 psia to 300 psia
Accuracy	±0.5% full scale (BFSL); optional ±0.25% full scale (BFSL); (includes the effects of non-linearity, hysteresis, non-repeatability, zero point and full scale errors)
Stability	≤ ±0.2% full scale per year, non-accumulating
Response time	≤ 4 ms (between 10% and 90% full scale)
Service life	> 100,000,000 load cycles
Temperature ranges	Compensated 32 °F to 176 °F (0 °C to 80 °C) Media 32 °F to 176 °F (0 °C to 80 °C) Ambient 32 °F to 176 °F (0 °C to 80 °C) Storage -4 °F to 176 °F (0 °C to 80 °C)
Power requirement*	8 Vdc to 30 Vdc (4 mA to 20 mA, 2-wire, 0 Vdc to 5 Vdc, 3-wire, 1 Vdc to 5 Vdc, 3-wire, 0.5 Vdc to 4.5 Vdc, 3-wire) 14 Vdc to 30 Vdc (0 Vdc to 10 Vdc, 3-wire) 5 Vdc ± 10% (0.5 Vdc to 4.5 Vdc ratiometric, 3-wire)
Load limitations	≤ (VPower-10)/0.020 Amp for 4 mA to 20 mA output ≤ 5,000 Ω for 1 Vdc to 5 Vdc output ≤ 10,000 Ω for 0 Vdc to 10 Vdc output ≤ 4,500 Ω for 0.5 Vdc to 4.5 Vdc output
Proof pressure	2 times full scale
Burst pressure	6 times full scale
Measuring element	316 stainless steel for absolute through 150 psi 13-8PH stainless steel for ≥150 psi
Connection	316 stainless steel
Housing material	316 stainless steel
Environmental rating	IP65 to IP67 depending on electrical connection
Electromagnetic rating	CE compliant to EMC norm EN 61326:1997/A1:1998 RFI, EMI and ESD protection
Electrical protection	Reverse polarity, over-voltage and short circuit protection
Shock	500 g's according to IEC 60068-2-27
Vibration	10 g's according to IEC 60068-2-6
Weight	Approximately 2.8 oz.

\* Unregulated

ORDERING INFORMATION				
SERIES	300			
PRESSURE RANGES	15	0 psig to 15 psig	300	0 psig to 300 psig
	30	0 psig to 30 psig	500	0 psig to 500 psig
	60	0 psig to 60 psig	750	0 psig to 750 psig
	100	0 psig to 100 psig	1000	0 psig to 1,000 psig
	150	0 psig to 150 psig	1500	0 psig to 1,500 psig
	200	0 psig to 200 psig	2000	0 psig to 2,000 psig
		psig = gauge pressure	psia = absolute pressure	Other ranges available upon request.
ACCURACIES	1	±0.5% full scale (BFSL)	2	±0.25% full scale (BFSL)
OUTPUT SIGNALS	1	4 mA to 20 mA, 2-wire	3	1 Vdc to 5 Vdc, 3-wire
	2	0 Vdc to 5 Vdc, 3-wire	5	0 Vdc to 10 Vdc, 3-wire
PROCESS CONNECTIONS	2	1/4" NPT male	10	G 1/4 B
	8	1/2" NPT male	11	G 1/2 B
ELECTRICAL CONNECTIONS	1	36" cable (connected to option 8)	8	Hirschmann (DIN EN 175301-803 form A)
			14	Hirschmann type with 1/2" NPT female conduit
	7	Mini-Hirschmann (DIN EN 175301-803 form C)	25	M12 x 1 (4-pin)
OPTION			36	6' Integral cable
	ST8	Threaded Orifice (0.3 mm)		

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

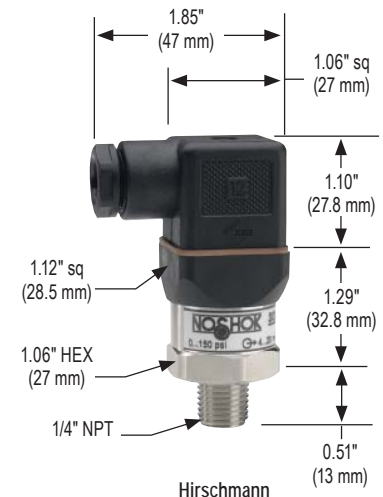
## EXAMPLE

300 - 500 - 1 - 1 - 2 - 8 - ST8

Series .....300 Series  
 Pressure range .....0 psig to 500 psig  
 Accuracy .....±0.50% full scale (BFSL)  
 Output signal .....4 mA to 20 mA, 2-wire  
 Process connection .....1/4" NPT Male  
 Electrical connection .....Hirschmann  
 Option..... Threaded Orifice



\* Note: (mate supplied separately)



## 2-WIRE WIRING

Wiring	M12	Hirschmann	Cable
+ Supply	1	1	Brown
+ Output	3	2	Blue

## 3-WIRE WIRING

Wiring	M12	Hirschmann	Cable
+ Supply	1	1	Brown
Common	3	2	Blue
+ Output	4	3	White