



200 SERIES

- Ranges from vacuum to 0 psig to 15,000 psig; absolute ranges from 0 psia to 15 psia through 0 psia to 300 psia
- Voltage output
- 316 and 17-4PH stainless steel wetted parts
- CE compliant to suppress RFI, EMI and ESD

APPLICATIONS

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

SPECIFICATIONS

Output signals	0 Vdc to 5 Vdc, 3-wire; 0 Vdc to 10 Vdc, 3-wire; 1 Vdc to 5 Vdc, 3-wire; 1 Vdc to 6 Vdc, 3-wire; 1 Vdc to 11 Vdc, 3-wire
Pressure ranges	Vacuum through 0 psig to 15,000 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
Adjustment	±10% full scale for zero and span
Response time	≤ 1 ms (between 10% and 90% full scale)
Pressure cycle limit	150 Hz
Durability	> 100,000,000 full scale cycles
Temperature ranges	Compensated 32 °F to 176 °F (0 °C to 80 °C) Effect ±0.017% full scale/ °F for zero and span Media -22 °F to 212 °F (-30 °C to 100 °C) Ambient -40 °F to 185 °F (-40 °C to 85 °C) Storage -40 °F to 212 °F (-40 °C to 100 °C)
Power requirement*	10 Vdc to 30 Vdc (0 Vdc to 5 Vdc, 3-wire, 1 Vdc to 5 Vdc, 3-wire, 1 Vdc to 6 Vdc, 3-wire) 14 Vdc to 30 Vdc (0 Vdc to 10 Vdc, 3-wire, 1 Vdc to 11 Vdc, 3-wire)
Load limitations	≥ 5,000 Ω for 0 Vdc to 5 Vdc, 1 Vdc to 5 Vdc, and 1 Vdc to 6 Vdc outputs; ≥ 10,000 Ω for 0 Vdc to 10 Vdc and 1 Vdc to 11 Vdc outputs. Current consumption 8 mA
Proof pressure	3 times full scale for ranges 0 psi to 5 psi through 0 psi to 200 psi 1.75 times full scale for ranges 0 psi to 300 psi through 0 psi to 10000 psi 1.5 times full scale for 0 psi to 15,000 psi
Burst pressure	3.8 times full scale for ranges 0 psi to 5 psi through 0 psi to 200 psi 4 times full scale for ranges 0 psi to 300 psi through 0 psi to 10,000 psi 3 times full scale for 0 psi to 15,000 psi
Measuring element	316 stainless steel for vacuum through 300 psi; 17-4PH stainless steel for ≥ 500 psi
Connection	316 stainless steel
Housing material	316 stainless steel
Environmental rating	IP65
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	1,000 g's according to IEC 60068-2-27
Vibration	30 g's according to IEC 60068-2-6
Weight	Approximately 3.5 oz.

* Unregulated

ORDERING INFORMATION															
SERIES	200														
PRESSURE RANGES	30vac	-30 inHg to 0 psig	30/300	-30 inHg to 300 psig	200	0 psig to 200 psig	3000	0 psig to 3,000 psig	15A	0 psia to 15 psia					
	30/15	-30 inHg to 15 psig	5	0 psig to 5 psig	300	0 psig to 300 psig	4000	0 psig to 4,000 psig	30A	0 psia to 30 psia					
	30/30	-30 inHg to 30 psig	10	0 psig to 10 psig	500	0 psig to 500 psig	5000	0 psig to 5,000 psig	60A	0 psia to 60 psia					
	30/45	-30 inHg to 45 psig	15	0 psig to 15 psig	600	0 psig to 600 psig	6000	0 psig to 6,000 psig	100A	0 psia to 100 psia					
	30/60	-30 inHg to 60 psig	30	0 psig to 30 psig	750	0 psig to 750 psig	7500	0 psig to 7,500 psig	150A	0 psia to 150 psia					
	30/100	-30 inHg to 100 psig	60	0 psig to 60 psig	1000	0 psig to 1,000 psig	10000	0 psig to 10,000 psig	200A	0 psia to 200 psia					
	30/150	-30 inHg to 150 psig	100	0 psig to 100 psig	1500	0 psig to 1,500 psig	15000	0 psig to 15,000 psig	300A	0 psia to 300 psia					
	30/200	-30 inHg to 200 psig	150	0 psig to 150 psig	2000	0 psig to 2,000 psig									
				psig = gauge pressure	psia = absolute pressure	Other ranges available on request									
ACCURACIES	1	±0.5% full scale (BFSL)			2	±0.25% full scale (BFSL)									
OUTPUT SIGNALS	2	0 Vdc to 5 Vdc, 3-wire		3	1 Vdc to 5 Vdc, 3-wire		4	1 Vdc to 6 Vdc, 3-wire		5	0 Vdc to 10 Vdc, 3-wire		6	1 Vdc to 11 Vdc, 3-wire	
PROCESS CONNECTIONS	1	1/8" NPT male		3	SAE J1926-3:7/16-20 adjustable					9	SAE J1926-1:7/16-20				
	2	1/4" NPT male		4	1/8" NPT female							10	G1/4 male		
ELECTRICAL CONNECTION	1	36" cable (connected to option 7)				6	1/2" NPT conduit (with 36" cable)				25	M12 x 1 (4-pin)			
	2	4-pin Bendix				7	Mini-Hirschmann (DIN EN 175301-803 form C)				36	18" integral cable			
	3	6-pin Bendix													
	NOTE: 0 Vdc to 5 Vdc and 0 Vdc to 10 Vdc outputs are also available in 4-wire configurations for use with other electrical systems.														
OPTION	ORF	Threaded Orifice													

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

EXAMPLE

Series200 Series
 Pressure range0 psig to 500 psig
 Accuracy±0.5% full scale (BFSL)
 Output signal0 Vdc to 5 Vdc, 3-wire
 Process connection1/4" NPT Male
 Electrical connectionMini-Hirschmann
 Option.....Threaded Orifice

200 - 500 - 1 - 2 - 2 - 7 - ORF

