



660 SERIES

- Ranges from 0 psig to 200 through 0 psig to 15,000 psig
- Current & voltage outputs available
- Stainless steel wetted parts
- 1.0 mm standard orifice size for improved performance in dynamic applications
- CE compliant to suppress RFI, EMI and ESD

APPLICATIONS

- Hydraulics & pneumatics
- Mobile hydraulics
- Power generation
- Pumps & compressors
- Refrigeration controls

SPECIFICATIONS

Output signals	4 mA to 20 mA 2-wire, 1 Vdc to 5 Vdc 3-wire; 0.1 Vdc to 10 Vdc, 3-wire
Pressure ranges	0 psig to 200 psig through 0 psig to 15,000 psig
Accuracy	±0.25% full scale (BFS); (Includes the effects of non-linearity, hysteresis, non-repeatability, zero point and full scale errors)
Stability	≤ ±2% full scale for 1 year, non-accumulating
Response time	<2 ms (between 10% and 90% full scale)
Service life	> 100,000,000 load cycles
Temperature ranges	Compensated -4 °F to 185 °F (-20 °C to 85 °C) Zero effect ±0.01% full scale/ °F Span effect ±0.01% full scale/ °F Media -13 °F to 185 °F (-40 °C to 100 °C); -40 °F to 257 °F (-40 °C to 125 °C) available on request Ambient -4 °F to 185 °F (-25 °C to 85 °C) Storage -40 °F to 212 °F (-40 °C to 100 °C)
Power requirement*	10 Vdc to 36 Vdc (4 mA to 20 mA, 2-wire) 8 Vdc to 36 Vdc (1 Vdc to 5 Vdc, 3-wire) 14 Vdc to 36 Vdc (0.1 Vdc to 10 Vdc, 3-wire)
Load limitations	≤ (VPower-10)/0.020 Amp for 4 mA to 20 mA ≥ 10,000 Ω for 1 Vdc to 10 Vdc, 3-wire ≥ 5,000 Ω for 1 Vdc to 5 Vdc, 3-wire
Proof pressure	2 times full scale for ranges 0 psi to 200 psi through 0 psi to 10,000 psi 1.5 times full scale for 0 psi to 15,000 psi range
Burst pressure	9 times full scale for 0 psi to 200 psi through 0 psi to 1,000 psi 3 times full scale for ranges 0 to 3,000 psi through 0 psi to 15,000 psi
Measuring element	17-4PH stainless steel
Connection	316 stainless steel
Housing material	316 stainless steel
Environmental rating	IP65; IP67 M12x1 electrical connection for pressure ranges 0 psig to 1,500 psig or higher
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	20 g's according to IEC 60068-2-6
Weight	Approximately 1.75 oz.

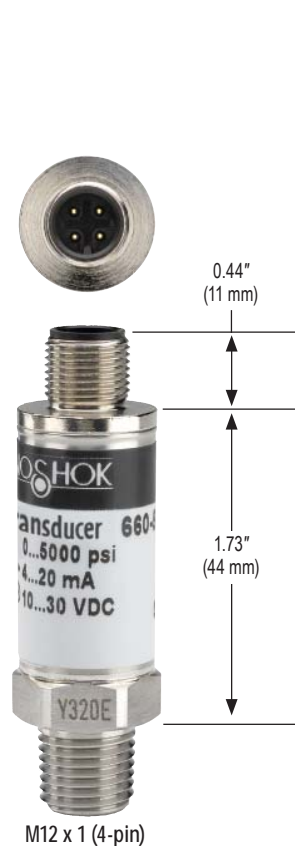
* Unregulated

ORDERING INFORMATION				
SERIES	660			
PRESSURE RANGES	200	0 psig to 200 psig	500	0 psig to 500 psig
	300	0 psig to 300 psig	1000	0 psig to 1,000 psig
			3000	0 psig to 3,000 psig
			5000	0 psig to 5,000 psig
			10000	0 psig to 10,000 psig
			15000	0 psig to 15,000 psig
psig = gauge pressure Other ranges available on request				
ACCURACY	1	±0.25% full scale (BFSL)		
OUTPUT SIGNALS	1	4 mA to 20 mA, 2-wire	3	1 Vdc to 5 Vdc, 3-wire
			27	0.1 Vdc to 10 Vdc, 3-wire
PROCESS CONNECTIONS	2	1/4" NPT male		
ELECTRICAL CONNECTIONS	1	36" cable (connected to option 7)	7	Mini-Hirschmann (DIN EN 175301-803 Form C)
			25	M12 x 1 (4-pin)

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

EXAMPLE

Series660 Series
 Pressure range0 psig to 500 psig
 Accuracy±0.25% full scale (BFSL)
 Output signal4 mA to 20 mA, 2-wire
 Process connection1/4" NPT Male
 Electrical connectionM12 x 1 (4-pin)



M12 x 1 (4-pin)



Mini-Hirschmann

2-WIRE WIRING

Wiring	M12	Mini-Hirschmann	Cable
+ Supply	1	1	Red
+ Output	3	2	Black

3-WIRE WIRING

Wiring	M12	Mini-Hirschmann	Cable
+ Supply	1	1	Red
Common	3	2	Black
+ Output	4	3	White