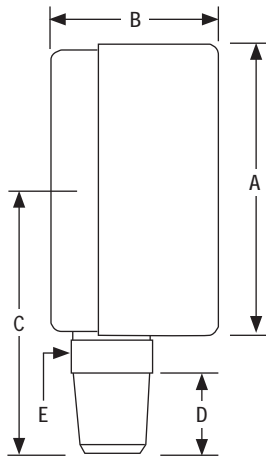


## Pressure Measuring Instrument Specifications

	25-300 SERIES	40-901 SERIES
Gauge housing	2-1/2" one-piece, die cast brass	4" SS housing, dry or liquid filled
Cover ring or bayonet ring	Brass cover ring - standard Panel mount options available for remote installation	Stainless steel bayonet ring - standard Panel mount options available for remote installation
Lens	Acrylic	Instrument glass
Accuracy	±1.5% full scale, ASME Grade A	±1% full scale, ASME Grade 1A
Safety relief	Safety relief disc on top of case	Safety relief disc on top of case
Pointer	Balanced aluminum, black finish	Balanced aluminum, black finish
Dial	Aluminum, white finish with black markings	Aluminum, white finish with black graduations
Fill fluid	Glycerin Others available upon request	Glycerin Others available upon request
Operating temperature	14 °F to 122 °F (-10 °C to 50 °C)	14 °F to 122 °F (-10 °C to 50 °C)
Ambient temperature	-4 °F to 140 °F (-20 °C to 60 °C)	-4 °F to 140 °F (-20 °C to 60 °C)

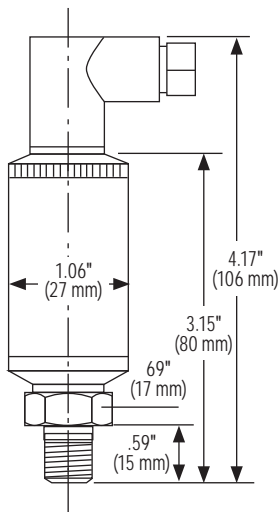
	60-400 SERIES All SS Pressure Gauge	60-500 SERIES All SS Pressure Gauge
Gauge housing	6" 304SS housing	6" 304SS housing
Bayonet ring	Polished stainless steel	Polished stainless steel
Lens	Laminated safety glass	Laminated safety glass
Accuracy	±1% full scale, ANSI Grade 1A	±1% full scale, ASME Grade 1A
Safety relief	Safety relief disc on top of case	Safety relief disc on top of case
Pointer	Balanced aluminum, black finish	Balanced aluminum, black finish
Dial	Aluminum, white finish with black markings	Aluminum, white finish with black graduations
Fill fluid	None - dry case gauge	Glycerin Others available upon request
Operating temperature	14 °F to 122 °F (-10 °C to 50 °C)	14 °F to 122 °F (-10 °C to 50 °C)
Ambient temperature	-40 °F to 260°F (-40°C to 127°C)	-40 °F to 260°F (-40°C to 127°C)



Series		A	B	C	D	E
25-300	in	2.48	1.34	2.13	0.55	0.55
	mm	63.0	34.0	54.0	14.0	14.0
40-901	in	3.98	2.01	3.43	0.55	0.87
	mm	101.0	51.0	87.0	14.0	22.0
60-400 / 60-500	in	6.30	2.36	4.65	0.79	0.87
	mm	160.0	60.0	118.0	20.0	22.0

## Pressure Measuring Instrument Specifications

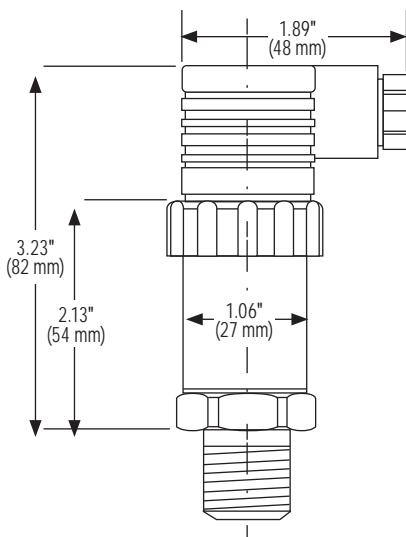
100 and 200 SERIES TRANSDUCERS		
Output Signals	100 Series 200 Series	4 mA to 20 mA, 2-wire 0 Vdc to 5 Vdc, 0 Vdc to 10 Vdc, 1 Vdc to 5 Vdc, 1 Vdc to 6 Vdc, 1 Vdc to 11 Vdc, 3-wire
Accuracies		±0.5% full scale (BFSL) - standard Includes the combined effects of linearity, hysteresis and repeatability ±0.25% full scale – optional
Repeatability		±0.05% full scale
Hysteresis		≤±0.1% full scale
Stability		≤±0.2% full scale for 1 year, non-accumulating
Power supplies		10 Vdc to 30 Vdc for 4 mA to 20 mA, 0 Vdc to 5 Vdc, 1 Vdc to 5 Vdc and 1 Vdc to 6 Vdc 14 Vdc to 30 Vdc for 1 Vdc to 11 Vdc, and 0 Vdc to 10 Vdc
Load limitations	100 Series 200 Series	≤(Vpower supply – 10)/.020 Amp for 100 Series ≥ 10,000 Ω for 0 Vdc to 10 Vdc, 3-wire and 1 Vdc to 11 Vdc outputs ≥ 5,000 Ω for 0 Vdc to 5 Vdc, 3-wire, 1 Vdc to 5 Vdc and 1 Vdc to 6 Vdc outputs. Current consumption 8 mA
Housing material		316 Stainless steel
Temperature ranges		Compensated 32 °F to 176 °F/0 °C to 80 °C      Medium -22 °F to 212 °F/-30 °C to 100 °C Effect ±0.017% full scale/°F for zero and span      Ambient -40 °F to 185 °F/-40 °C to 85 °C Storage -40 °F to 212 °F/-40 °C to 100 °C
Adjustment		±10% full scale for zero and span
Environmental rating		NEMA 4X, IP65 (IEC 529)
Electromagnetic rating		CE compliant to EMC norm EN61326: 1997/A1: 1998 RFI,EMI,ESD protection
Electrical protection		Reverse polarity, over-voltage and short circuit protection
Shock		1000 g's per IEC 770
Vibration		30 g's per IEC 770



100 Series Wiring Diagram				
	Mini Hirschmann	Cable	M12	Bendix 6-pin
+ Supply	1	Red	1	A
+ Output	2	Black	3	B
200 Series Wiring Diagram				
	Mini Hirschmann	Cable	M12	Bendix 6-pin
+ Supply	1	Red	1	A
+ Output	3	White	4	C
Common	2	Black	3	B

## Pressure Measuring Instrument Specifications

615 SERIES TRANSDUCERS	
Output Signal	4 mA to 20 mA, 2-wire 0 Vdc to 5 Vdc, 0 Vdc to 10 Vdc, 1 Vdc to 5 Vdc, 1 Vdc to 6 Vdc, 1 Vdc to 11 Vdc, 3-wire
Accuracy	±0.25% full scale (BFSL) – standard Includes the combined effects of linearity, hysteresis and repeatability ±0.125% full scale – optional
Repeatability	≤±0.05% full scale
Hysteresis	≤±0.1% full scale
Stability	≤±0.2% full scale for 1 year, non-accumulating
Power supply	10 Vdc to 30 Vdc for 4 mA to 20 mA, 0 Vdc to 5 Vdc, 1 Vdc to 5 Vdc and 1 Vdc to 6 Vdc 14 Vdc to 30 Vdc for 1 Vdc to 11 Vdc and 0 Vdc to 10 Vdc
Load limitations	≤ (Vpower supply – 10)/0.020 Amp for 100 Series ≥ 10,000 Ω for 0 Vdc to 10 Vdc, 3-wire and 1 Vdc to 11 Vdc outputs ≥ 5,000 Ω for 0 Vdc to 5 Vdc, 3-wire, 1 Vdc to 5 Vdc and 1 Vdc to 6 Vdc outputs Current consumption 8 mA
Housing material	316 Stainless steel
Temperature ranges	<b>Compensated</b> 32 °F to 175 °F/0 °C to 80 °C <b>Medium</b> -20 °F to 212 °F/-30 °C to 100 °C <b>Effect</b> ±0.01%/ °F for zero and span <b>Ambient</b> -15 °F to 175 °F/-10 °C to 80 °C <b>Storage</b> -40 °F to 212 °F/-40 °C to 100 °C
Adjustment	±10% full scale for zero and span
Environmental rating	NEMA 4X, IP65 (IEC 529)
Electromagnetic rating	CE compliant to EMC norm EN61326: 1997/A1: 1998 RFI, EMI, ESD protection
Electrical protection	Reverse polarity, over-voltage and short circuit protection
Shock	Less than ±0.05% full scale effect or 1,000 g's @ 20 ms on any axis
Vibration	Less than ±0.01% full scale effect or 15 g's @ 0 Hz to 2,000 Hz on any axis



Current, 2-Wire Wiring Diagram				
	Hirschmann	Cable	M12	Bendix 6-pin
+ Supply	1	Red	1	A
+ Output	2	Black	3	B
Voltage, 3-Wire Wiring Diagram				
	Hirschmann	Cable	M12	Bendix 6-pin
+ Supply	1	Red	1	A
+ Output	3	White	4	C
Common	2	Black	3	B