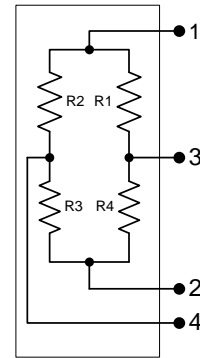


# Characteristics

Preliminary

Unless otherwise specified, all parameters are measured at 25 °C and excitation of 5V

Parameters	Min	Typ	Max	Unit
Excitation Current		1.0	2.0	mA
Excitation Voltage	0	5.0	10.0	Volts
Span - 800 psia	80	160	240	mV
Offset (0 psia)	-30		+30	mV
Bridge Impedance	2.6	3.3	4.0	kohm
Nonlinearity <sup>NOTE1</sup>	-0.4	±0.2	+0.4	%FS
TC - Span <sup>NOTE2</sup>	-2.5		-1.9	10 <sup>-3</sup> /K
TC - Offset <sup>NOTE2</sup>	-12		+12	uV/VK
Hysteresis	-0.1		+0.1	%FS
Temp - Operating	-40		+125	°C
Temp - Storage	-40		+150	°C
Over Pressure			1.5X	Rated Pressure



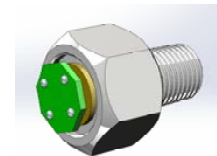
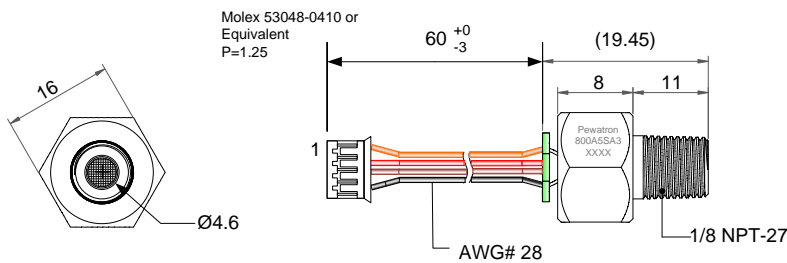
Equivalent Circuit

Notes:

1. Best Fit Straight Line.
2. Measured from 0°C to 50°C @ 5V Constant voltage .
3. Wetted materials: SS#303L, Al, silicon, glass & Au.

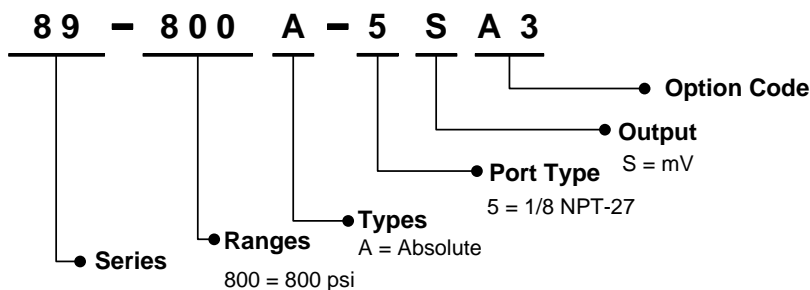
Pewatron  
800A5SA3  
XXXX

## Dimension



## Ordering Information

Unit: mm



Pin #	Description
1	Vs
2	GND
3	Out-
4	Out+

\*\* Refer to Pressure Range of specifications

STD-C32580A  
07-18 R1

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