

Product Information - SV

LIFE SCIENCES

SV Pressure Transmitter

Introduction

The Anderson-Negele SV Life Sciences Series Pressure Transmitter offers not only a new low profile design, but may be ordered with built-in LCD indication. The unit meets all life sciences requirements for performance, finish and cleanability. It is designed and manufactured to withstand the harsh process and sterilization conditions encountered in the Life Sciences industry.

Its one-piece stainless steel package design incorporates a transducer and electronic circuitry to convert pressure and/or vacuum to a proportional 4-20 mA signal. The wide variety of fittings and ranges provide flexibility in specifying the best transmitter for any application. The unit is designed to operate at high process temperatures and withstand CIP/SIP conditions.

All units are supplied factory calibrated to standard or custom ranges. For field maintenance, non-interactive zero, and span adjustments, as well as field accessible test points are provided. The optional LCD cap mounted display can be scaled to match actual process units, 0-100% of full scale, or 4-20 mA. This useful feature provides indication directly at the process, in addition to the standard 4-20 mA output. Permanently marked tagging is provided at no extra charge. In addition the SV complies with Class 1, Div. 1, Groups A, B, C and D for intrinsically safe apparatus. Units are supplied with certificates of calibration.

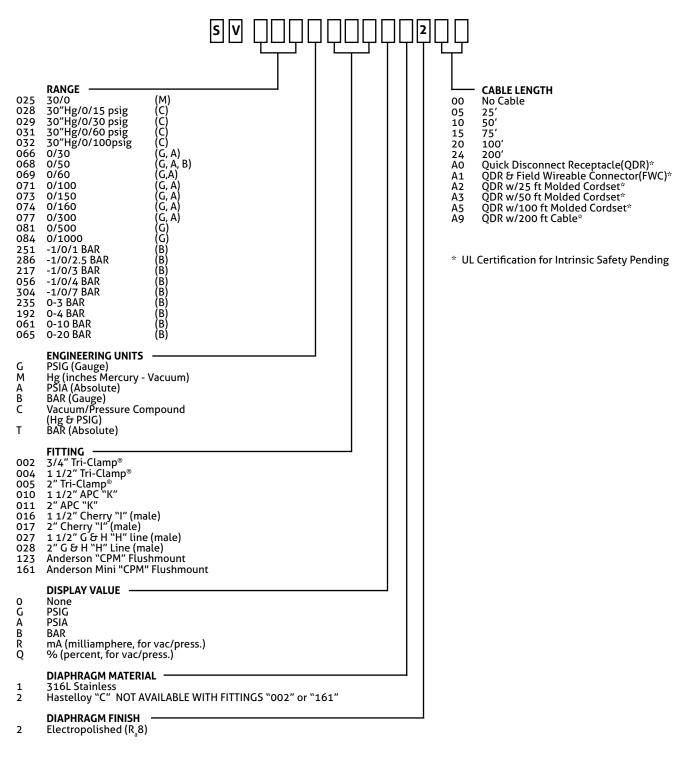


Specifications

Excitation:	9-32 VDC (Absolute), 24 VDC Nominal regulated or unregulated	Mounting: Housing Material:	Direct connection 304 Stainless Steel
	14-37 VDC (Absolute) with display	Housing Ratings:	NEMA 4X, IP66
Output:	4-20 mA DC	Wetted Parts:	316L Stainless Steel standard; Hasteloy "C"
Loop Resistance:	0-750 ohms at 24 VDC		diaphragm optional
	0-1050 ohms at 30 VDC	Actuating Fill:	100% mineral oil. Meets FDA requirements
Indication:	Optional, 3 1/2 digit, .5" high LCD, cap		(21 CFR, 172.878 and 178.3620(a))
	mounted	Surface Finish (wettable parts):	
Accuracy:	± 0.5% of span, full scale, for standard ranges except those below		Ra max = 8 microinches (.2 microns) electropolished
	0-50 psig (±1.0% full scale. All vacuum/	Recommended Cable:	18-24 AWG, foil shielded, and PVC coated.
	pressure ranges and PSIA ranges are ±1.0%)		(3/16 - 1/4 OD insulation)
Over-Range Rating:	2 times base range	Wiring Connection:	Screw Terminal; Accessible via removable
Stability:	± 0.3% of calibrated range / 6 months	5	screw cap conduit housing
Zero and Span Adjustments: ± 10% of range		Approvals:	UL Approved; Complies with Class 1, Div. 1,
Repeatability:	± 0.3%		Grps. A-D for intrinsically safe apparatus
Hysteresis:	± 0.1%	Standard:	Designed and manufactured to sound
Linearity:	± 0.1%		engineering practices in accordance with
Process Temperature Range:			Article 3.3 of the PED 97/23/EC
	20° to 275°F (Up to 325°F if horizontal		CSA B51-03
	mount)		
Process Temperature Effect: ± 0.1 psig/5.5°C (10°F)		Response Time:	200 µSec
Ambient Temp. Operating Range:			
	-17.8° to 48.9°C (0° to 120°F)	* Specifications are subject to change without notice.	
Storage Temperature: -40° to 65°C (-40° to 149°F)			

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Order Information



SPECIFY TAGGING INFORMATION TO BE PERMANENTLY MARKED, IF APPLICABLE

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