



Product Information - SR

FOOD

SR Sanitary Electronic Pressure Transmitter

Introduction

The Anderson-Negele SR series pressure transmitter offers not only a low profile design, but may be ordered with built-in LCD indication. The unit meets all sanitary requirements for finish and cleanability. It is designed and manufactured to withstand the harsh process and environmental conditions encountered in the food, dairy, and beverage industries.

Its one-piece stainless steel 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.

Complete specifications and ordering information are available on the reverse. For more information please visit our Web Site at www.anderson-negele.com, or contact your local Authorized Anderson-Negele Distributor.

Authorizations



Features

- All-welded stainless steel construction
- Compact, low profile design
- Meets all FDA, USDA, and CGMP requirements
- 3-A compliant; Third party verified
- Product contact surface 316L stainless steel, optional Hasteloy "C" diaphragm
- Optional cap mounted LCD indicator



RODEM[®]
PROCESS EQUIPMENT
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Process Temperature	
Effect:	±0.1 psig/5.5°C (10°F)
Response Time:	200 µSec
Ambient Temp.	
Operating Range:	0° to 120°F (-17.8° to 48.9°C)
Storage Temperature:	-40° to 149°F (-40° to 65°C)
Mounting:	Direct connection
Housing Material:	304 Stainless Steel
Housing Ratings:	NEMA 4X, IP-66
Wetted Parts:	316L Stainless Steel standard; Hastelloy "C" diaphragm optional (Std. for homogenizer fittings)
Surface Finish (wetable parts):	Ra max = 25 microinches (.6 microns)
Recommended Cable:	18-24 AWG, foil shielded, and PVC coated. (3/16 - 1/4 OD insulation)
Wiring Connection:	Screw Terminal; Accessible via removable screw cap conduit housing
Standards:	Designed and manufactured to sound engineering practices in accordance with Article 3.3 of the PED 97/23/EC

RANGE (Available Units)		CABLE LENGTH	
025	30/0 (M)	086	0/2,000 ¹ (G)
028	30/0/15 (C)	088	0/3,000 ¹ (G)
029	30/0/30 (C)	090	0/5,000 ¹ (G)
031	30/0/60 (C)	093	0/10,000 ¹ (G)
032	30/0/100 (C)	094	0/15,000 ³ (G)
066	0/30 (G,A)	095	0/20,000 ³ (G)
068	0/50 (G,A,B)	251	-1/0/1 (B)
069	0/60 (G)	286	-1/0/2.5 (B)
070	0/99 (G)	217	-1/0/3 (B)
071	0/100 (G,A)	056	-1/0/4 (B)
073	0/150 (G,A)	304	-1/0/7 (B)
074	0/160 (G,A)	057	0-2 (B)
075	0/200 (G,A)	235	0-3 (B)
077	0/300 (G,A)	192	0-4 (B)
081	0/500 (G)	060	0-6 (B)
084	0/,1000 (G)	061	0-10 (B)
		065	0-20 (B)

ENGINEERING UNITS		DIAPHRAGM FINISH	
G	PSIG	1	Standard (R _g 25)
M	Hg (inches Mercury)		
A	PSIA		
B	BAR		
C	Vacuum/Pressure ("Hg & PSIG)		

FITTING		DIAPHRAGM MATERIAL	
004	1-1/2" Tri-Clamp®	1	316L Stainless
005	2" Tri-Clamp®	2	Hastelloy "C"
010	1-1/2" APC "K"		(Standard for fittings 056,
011	2" APC "K"		057, 058, 117, 157)
016	1-1/2" Cherry "I" (male)		
017	2" Cherry "I" (male)		
027	1-1/2" G & H "H" line (male)		
028	2" G & H "H" Line (male)		
044	1-1/2" #14 Bevel Seat (w/nut)		
045	2" #14 Bevel Seat (w/nut)		
056	High Pressure (Homogenizer) w/out Flange		
057	High Pressure (Homogenizer) with 7/8" Flange		
058	High Pressure (Homogenizer) with 1-1/8" Flange		
059	1-1/2" NPT ⁴		
117	High Pressure (Rannie) ⁴		
129	38mm IDF w/Nut ⁴		
131	51mm IDF w/Nut ⁴		
157	High Pressure (Niro) ⁴		

DISPLAY VALUE	
O	None
G	PSIG ²
A	PSIA
B	BAR
R	mA (milliamphere, for vac/press.)
Q	% (percent, for vac/press.)

Footnotes	
¹	Available with High Pressure Fittings Only (056-058; 117,157).
²	If over 1,000 PSIG, units are PSIG X 10.
³	Available with High Pressure Fitting 157 Only
⁴	Not 3-A compliant