

# **Product Information - SR**

# 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



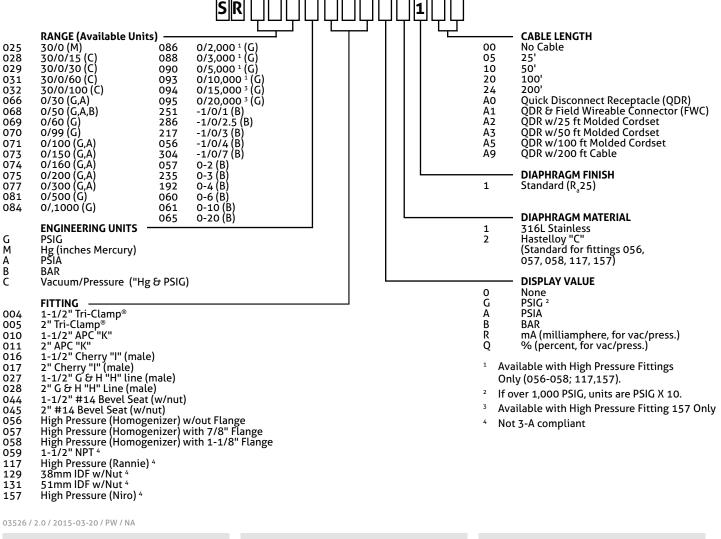
# FOOD

## FOOD

2

### Specifications

± 0.5% of span, full scale, 0-50 psig ±1% full scale. A PSIA ranges are ±1%. High Repeatability: Be Hysteresis: Les Linearity (BFSL): ± 0 Stability: ± 0 Over-Range Rating: 2 t	atability, linearity, and hysteresis): e, for standard ranges except ranges below All vacuum/pressure ranges and gh pressure (Homogenizer) fittings: ±.75%. etter than 0.3% FSO ess than 0.2% FSO 0.2% FSO 0.3% of calibrated range/6 months	Process Temperature Effect: Response Time: Ambient Temp. Operating Range: Storage Temperature: Mounting:	±0.1 psig/5.5°C (10°F) 200 μSec 0° to 120°F (-17.8° to 48.9°C) -40° to 149°F (-40° to 65°C) Direct connection
Output: 4-2 Excitation: 12 No 17 Loop Resistance: 0-6 0-9 Indication: 0p Process Temperature Range: 20 (Ho	times base range, or 12,000 psig, /hichever is less 10% of range -20 mA DC 2-40 VDC (Absolute), 24 VDC ominal regulated or unregulated. 7-45 VDC (Absolute) with display. -600 ohms at 24 VDC -900 ohms at 24 VDC -900 ohms at 30 VDC ptional, 3-1/2 digit, .5" high LCD, cap nounted 0° to 300°F (-6.7 to 148.9°C) Horizontal mounting recommended for ontinuous operation over 275°F/135°C)	Housing Material: Housing Ratings: Wetted Parts: Surface Finish (wettable parts): Recommended Cable: Wiring Connection: Standards:	304 Stainless Steel NEMA 4X, IP-66 316L Stainless Steel standard; Hasteloy "C" diaphragm optional (Std. for homogenizer fittings) Ra max = 25 microinches (.6 microns) 18-24 AWG, foil shielded, and PVC coated. (3/16 - 1/4 OD insulation) Screw Terminal; Accessible via removable screw cap conduit housing Designed and manufactured to sound engineering practices in accordance with Article 3.3 of the PED 97/23/EC
Order Information			



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