**Product Information - TFP** 



FOOD

# TF - Series "Smart" Pressure Transmitter

#### Introduction

The Anderson-Negele "TF" series pressure transmitter is a microprocessor-based sensor specifically designed for sanitary fluid process applications in the Food and Beverage industry. This product provides an extremely high level of performance combined with the flexibility of digital communication via the "HART" protocol. The "TF" series can be specified in several configurations including high temperature models that are available in direct or remote mount variations. The high temperature direct mount is also recommended for applications where a horizontal orientation is required for display viewing, such as tank tops and overhead lines. All models may be ordered with any of our wide variety of sanitary process fittings.

The "TF" series simultaneously outputs an analog 4-20 mA signal while communicating digitally with a hand-held communicator or other "HART" host device. This allows configuration of parameters such as range, engineering units, tagging info, and other device specific information, from any accessible point in the output loop. The analog output can even be "trimmed" or calibrated while in service, if required. Also retained are internal, non-interactive zero and span analog adjustments. This provides the user with the immediate performance enhancements of this new product, with future compatibility with the "HART" protocol.

As with all Anderson-Negele sensors, the "TF" series is designed to be cleaned and sterilized in place. The optional LCD display can be factory scaled to linear process engineering units, mA output, or 0-100%.

### Authorizations



#### Features

- New options and mounting configurations for high temperature applications up to 400°F (204°C)
- Standard 4-20 mA output with "HART" protocol for digital communications
- Micro-based design provides best performance of any sanitary transmitter
- · Widest choice of sanitary fittings
- Optional LCD display now available for vertical or horizontal viewing
- · 3-A compliant; Third party verified in accordance with standard 74-03

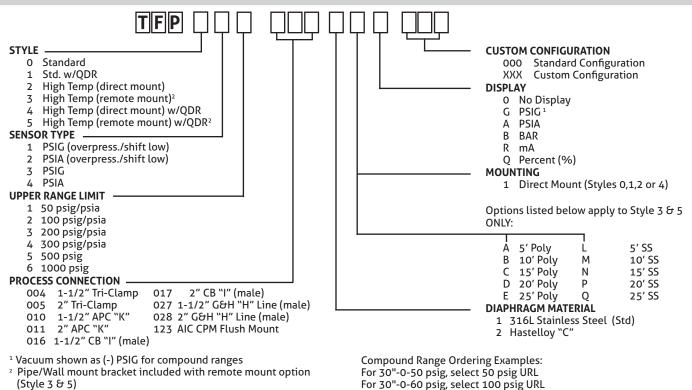


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Over Pressure Limit:2X URL(psia, compound vacuum):±0.2% URL(above atmospheric zero);Over Pressure Output:Sensor Style 1 & 2: Above 110% of calibrated range - 3.8 mA(below atmospheric zero);Sensor Style 3 & 4: No specified over pressure output*Accuracy includes repeatability, hysteresis and linearity repeatability:Mechanical Trim Adjustments:Internally adjustable ±5% of span (zero); ±20% of span (span)Hysteresis:±0.07% t0.07% t0.07%	Specifications			
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