**Product Information - FH** 

**FOOD** 

# "FH" Digital Temperature Gauge

## Introduction

The Anderson-Negele DTG Digital Temperature Gauge carries on the tradition of accurate and reliable electronic temperature indication, while incorporating many new features tailored to a growing industry.

This "next generation" product provides high accuracy temperature monitoring in an operator friendly simple to read design. The DTG also offers new options for remote mounting as well as high and low switches for critical applications where user-defined setpoints can be easily programmed.

The battery-operated version can be ordered with or without a secondary 100 ohm 3-wire RTD. The secondary RTD option is ideal in applications that require local indication, as well as remote recording. As only one vessel penetration is required, a cost savings can be realized.

The DC powered version supplies two (2) SPST low voltage contacts assigned to the adjustable setpoints. An optional remote relay module is available that provides SPDT relays rated 6 amps at 250 VAC.

All models feature simple field calibration for fine tuning to the plant reference standard. As such, the DTG makes a perfect and cost-effective replacement for any mechanical thermometer, from bi-metals to mercury-in-glass. With resolution to a tenth of a degree, the DTG takes the guesswork out of reading dials and mercury columns.

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



## **Authorizations**



#### **Features**

- · Ideal replacement for Mercury-In-Glass thermometers
- Models and fittings for Dairy, Fluid Food and Beverage Applications
- Operates on field replaceable batteries; DC switching version available
- Large Liquid Crystal Display makes viewing easy and repeatable
- All models offer field calibration capability

### **Specifications**

Compliance: 3-A, NEMA 4X, IP-66 **Product Contact Material:** Fitting & Probe: 316L SS **Product Contact Finish:** Ra max = 32 micro inches Non-Product Contact Surface: Housing - 304 SS

Lens - Polysulfone 0 to 300°F (-18 to 150°C) Process Temp. Range:

Deg F and Deg C; field selectable Units:

Resolution: 0.1°F or °C Accuracy: +/-.75°F (+/-0.4°C)

Repeatability: +/-0.2% of full scale (+/-0.6°F) **Ambient Operating Limits:** 40 to 140°F (4.4 to 60°C)

Ambient Temp. Stability: Better then 0.1°C per 10°C ambient

Storage Temp.: 32 to 140°F (0 to 65°C)

Display: LCD: 4 digit main display, 6 digit secondary; 0.9" high contrast LCD Internal Switch Rating: 1 amp at 24 VDC SPST Remote Relay Rating: 6 amp at 250 VAC SPDT

Two "AA" 3.6VDC Thionyl Chloride Power:

Lithium (Style 0,1,5)

9-30V DC external supply (Style 2) Style 0,1,5: 12 month minimum

Style 2: Externally powered

10 to 60 Hz, 2g

Vibration: 2 vear Warrantv:

Battery Life:

Secondary Output: Additional 100 ohm RTD, 3 wire

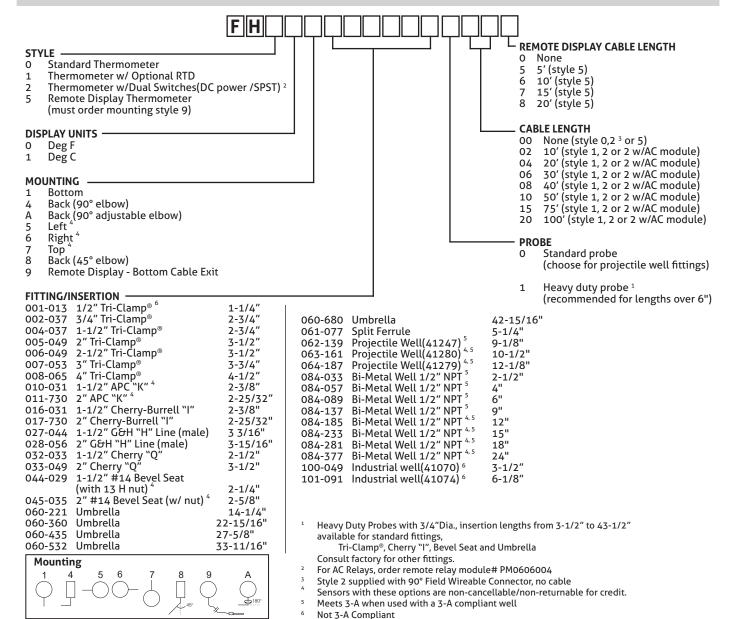
DIN, wire via quick disconnect

fitting (Style 1)

Display Update: 3 seconds

Via onboard switches Calibration Adjustment:

#### **Order Information**



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