

# MCG 310

Analog Output Resistance Temperature Detector



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### Resistance Temperature Detector

The MCG 310 Resistance Temperature Detector (RTD) measures spot temperature by outputting a resistance change to a gauge or transmitter. This change in resistance, which is directly proportional to temperature, is detected by a precision input bridge circuit in the transmitter.

### Analog 4-20mA Output

The loop-powered MCG 310 provides an analog 4-20mA output to easily interface with other devices that accept a 4-20mA input.

### Local Graphical LCD Display

The optional local graphical LCD display provides product temperature and analog output status directly from the probe housing, allowing for easy accessibility and status checking.

## Specifications

#### Construction:

Stainless Steel Probe\*

\*Other Materials Available

#### Element Lengths:

12" through 60" standard

#### Standard Thermowell Connections:

Up to 1- 1/2" NPT, UP to 3" ANSI, Flange

#### Accuracy:

0.5° F

#### Calibrations:

100 ohm Copper, 100 ohm DIN Platinum,  
100 ohm "Platinum Characterized" Copper



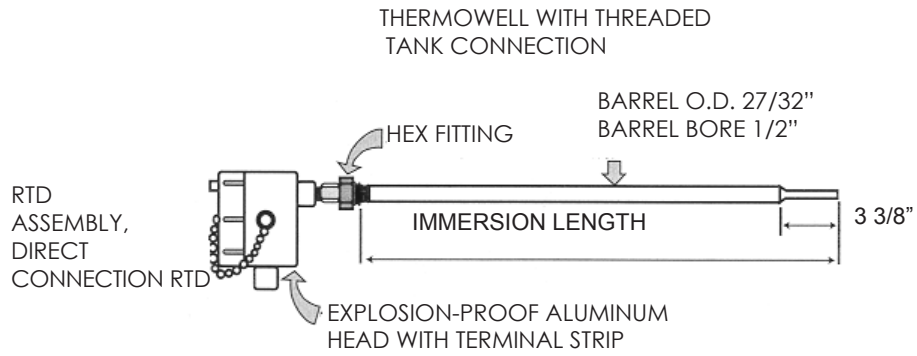
## Features

- Analog 4-20mA Output Standard
- Optional Graphical LCD Display
- Displays Temperature & Analog Output Status Locally
- Accurate Temperature Measurement

## Applications

- Temperature measurement for inventory process control
- Volume correction for custody transfer applications

## Dimensions



All designs subject to change. Certified dimensions and specifications available upon request.