

### FC Series Surface Thermometers

- Dual magnet mount surface thermometers specifically designed to be used on horizontal ferrous non-horizontal surfaces
- Features two alnico magnets that act as the thermometer's base and hold it in place on ferrous surfaces
- Bimetallic sensor is a specially processed alloy that is preconditioned and pre-tested for permanent calibration and maximum stability
- Sensor is located in a draft shield and is in virtual thermal contact with the surface to be measured which means a relatively quick response time
- Reaches sensing equilibrium (stability) within three minutes
- Designed for applications such as: hot plates; griddles; die-cast dies; foundry core boxes; annealing ovens; weld preheats; motors; generators; engines; bearings; boilers, tanks, and drums



Temperature Range: 312FC: 0 to 250°F (-20 to 120°C);  
314FC: 50 to 750°F (10 to 400°C)

Resolution: 312FC: 2°F/1°C;  
314FC: 10°F/5°C

Accuracy: ±2% of full scale

Time Constant: From 0.06 to 1 min.  
(depending on range)

Dimensions: 2" dia. x 1/2 h. (5.1 x 1.3 cm)

Weight: 1-1/2 oz (43 g)

| Model      | Description                  |
|------------|------------------------------|
| 312FC      | Magnetic Surface Thermometer |
| 312FC-NIST | Surface Thermometer & NIST   |
| 314FC      | Magnetic Surface Thermometer |
| 314FC-NIST | Surface Thermometer & NIST   |
| CERTITM1   | NIST Calibration Certificate |



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