

## MODELS 312FC/314FC

### Magnetic surface thermometer.

- Dual magnet mount surface thermometers specifically designed to be used on horizontal or 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 pretested 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
- 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

**Accuracy:**  $\pm 2\%$  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	Temperature Range	Divs.
<b>312FC</b>	0 to 250°F (-20 to 120°C)	2°F (1°C)
<b>314FC</b>	50 to 750°F (10 to 400°C)	10°F (5°C)

