

## TECHNICAL DATA SHEET

# MAGNETIC SURFACE THERMOMETER

50° to 750° #314F

### DESCRIPTION

The Elcometer #314F Magnetic Surface Thermometer continuously indicates the surface temperature of steel and other magnetic material. This instrument features two high-temperature alnico magnets that act as the thermometer's base and hold the instrument in place.

### FEATURES & BENEFITS

- PTC® quality
- Accuracy of  $\pm 2\%$  of full-scale range
- Aluminium Dial
- NIST certification available
- Every unit individually calibrated
- Dual magnets
- Bimetallic strip and therefore do not require batteries



### APPLICATION

Designed for industrial applications such as: pipe surfaces, weld preheats, boilers, cylindrical tanks, motors, generators, engines, bearings, incubators, towel warmers, hot plates, griddles, die-cast dies, foundry core boxes, annealing ovens and any surface where temperature readings are essential.

### SPECIFICATIONS

<b>Accuracy:</b>	$\pm 2\%$ of full-scale range
<b>Time:</b>	constant from 0.06 to 1 minute (depending on the range)
<b>Diameter:</b>	2 in. (5.1cm)
<b>Height:</b>	1/2 in. (1.3 cm)
<b>Weight:</b>	1-1/2 oz. (43g)
<b>Shipping weight:</b>	1 lb. (454g)

### CALIBRATION

**PTC Metrology™ provides temperature calibration and certification services.**

Many quality assurance systems require that calibrated and certified thermometers be used where accurate measurements are of importance. PTC® has calibrated thermometers for over 60 years and is now accredited by A2LA to ISO/IEC 17025 and ANSI/NCSL, Z540-1.

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