



Fully Enclosed Sealed Surface Thermometers

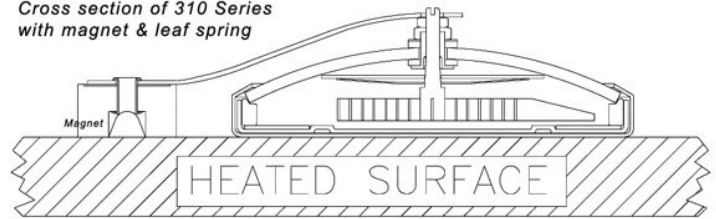


The 310 Series of surface temperature thermometers are unilateral thermal sensors, which measure the temperature of the contact surface. These instruments are fully enclosed to protect the bimetal from dirt and dust. Accuracy of the thermometer is $\pm 2\%$ of full scale range.

These thermometers can be used for external wall leakage temperatures of refrigerators, cold chambers, freezers, ovens, and boilers; for temperatures of electric motors and cylinder blocks, plastic dies, and rubber molds, temperatures of journals and other bearings. All types of ducts, wall, ceiling, and floor, temperatures of building or storage areas.

The 310 Series of thermometers are 2 inches in diameter and weigh only 1 ounce. The bimetallic sensor is designed to permanently retain its calibration.

Cross section of 310 Series
with magnet & leaf spring



Cross Section of Thermometer with Magnet & Leaf Spring

- PTC® Quality Made in the U.S.A.
- NIST Certification Available
- Accuracy of $\pm 2\%$ of Full Scale Range
- Each Instrument is Individually Calibrated
- Available in Celsius or Fahrenheit
- Magnet with Leaf Spring & Silicone Available for the Attachment



Certificate No. 1896.01

PTC Metrology™ is accredited by A2LA for temperature calibration to ISO/IEC 17025 & ANSI/NCSL Z540-1. Certifications are NIST traceable.

Model	Range	Divisions
309C	-50°C to 110°C	2°C
309F	-50°F to 250°F	2°F
310C	-10°C to 110°C	2°C
310F	0°F to 300°F	2°F
311C	20°C to 180°C	2°C
311F	70°F to 370°F	2°F

SPECIFICATIONS	
Accuracy	$\pm 2\%$ of Full Range
Diameter	2 in (5.1cm)
Height	0.5 in. (1.3 cm)
Weight	1 1/2 oz (43 g)
Shipping Weight	1 lb. (454 g)