

DialTemp™ Surface Thermometers Dual Fahrenheit and Celsius Dials



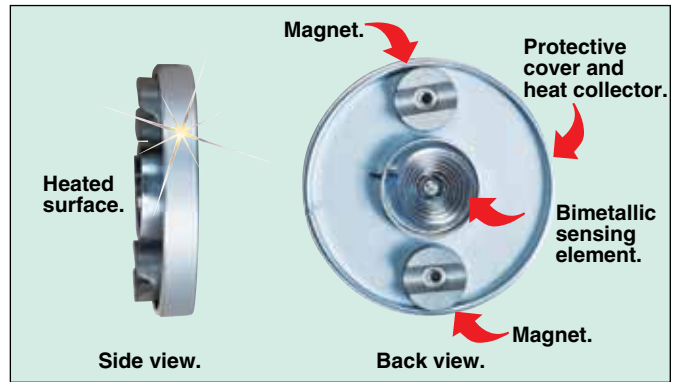
Operating Instructions

This unique, handy little gage is great for use in sensing the temperature of almost any surface. The bi-metal sensing element is exposed to allow quick accurate response to surface

temperature, but adequately shielded from damage by a protective cover and heat collector. For the most accurate reading this surface thermometer should be used in still air. Place the gage on the surface where you wish to know the temperature dial face up with bimetal sensing element against the surface. The magnets will allow placement in any position on a ferrous surface. It can also be used on any other material with a horizontal surface. Allow about a minute for the sensing element to stabilize and then read the temperature. Higher or lower air temperatures surrounding the thermometer or a draft over the surface may slightly affect the temperature indicated.

Some Typical Applications

Air ducts, boilers, cabinets, drums, engines, enclosures, fire boxes, manifolds, platens, plumbing, piping, refrigerators and many others.



Specifications

Head Size: 5.08 cm (2")

Height: 1.27 cm (1/2")

Weight: 56.7 g (2 oz) approximately

Dial: White background, blue marks and numbers

Case: Aluminum with optically clear crystal

Sensing Element: Precision calibrated bimetal coil

Accuracy: ±2% of full scale

Response Time: Approximately 1 minute

Mounting: 2 magnets on back

To Order

Model No.	Range
SUR-15	-20 to 65°C (0 to 150°F)
SUR-25	-20 to 120°C (0 to 250°F)
SUR-50	-20 to 260°C (0 to 500°F)
SUR-75	10 to 400°C (50 to 750°F)

Accessories and Options

Mounting Threads and Bushings

1/8 NPT – Models Q, G, H

1/4 NPT – All models

1/2 NPT – All models

3/8 NPT – Models Q, G, H

3/4 NPT Adaptor Bushing—Models A, R, B, S, X, XR, V, VR, J

Hex Bushing: Models A, R, B, S

Other Threads on Special Order



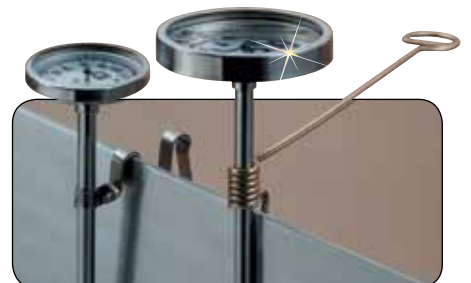
External Mounting Brackets for Models G and H

External mounting brackets facilitate surface mounting on cabinets, ovens, coolers, flat surfaces.

**Model C-10
&
Model T-27**

Clip Hanger and Spring Handle—All Models

The C-10 Clip Hanger and T-27 Spring Handles are used on the rims of tanks, kettles, urns, solder pots, beakers or other containers. The Spring Handle can be hand held allowing thermometer insertion in hot or corrosive materials without exposure of the hand. Very handy items. Available from stock.



Other Options

Pointed stems (for all models), add “-PS”

Pocket case/clip (for 5 or 6" stems only)

Unbreakable clear plastic crystals, add “-PC”

Pointer for min and max on 3" models, add “-NMP”

Pointer for min and max on 5" models, add “-NMPS”

Custom thermometers, dials, ranges, fixtures

* Silicone filling—models A, R, add “-SF” up to 9"

* Silicone filling—models B, S, add “-SF” up to 9"

* Silicone filling—models X, XR, add “-SF” up to 9"

* Silicone filling—models V, VR, and J, add “-SF” up to 9"

* Over 9": additional cost per additional inch.

PFA coating: additional cost per additional inch.

Ordering Example: SUR-75, 10 to 400°C range.