

## DIRECT DRIVE ALL ANGLE THERMOMETER

REOTEMP's Rugged Direct Drive System makes our 45GR and 45LR the right choice for temperature indication in heavy-duty or high vibration applications. The all-stainless steel case and internals, along with the direct drive system, result in superior instrument life in severe environments.



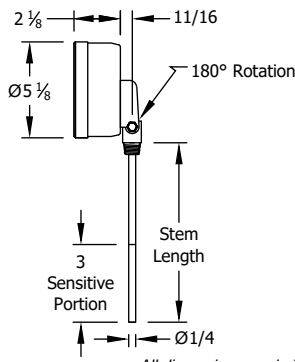
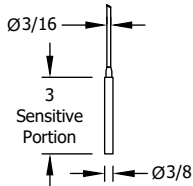
Model 45GR



Model 45LR



EVERY ANGLE



All dimensions are in inches.



Accuracy Custom Logo Made in the USA

### FEATURES / BENEFITS

- Accuracy  $\pm 1\%$  of Range Span
- Can handle a wide temperature range up to 1200°F.
- Heavy-Duty Vibration and Shock Resistant
- Stainless Steel Sealed Construction
- Adjustable to any angle.

### SPECIFICATIONS

<b>Accuracy</b>	$\pm 1\%$ of Range Span
<b>Dial</b>	4 1/2" Satin finish aluminum with black lines and numbers.
<b>Case Material</b>	Stainless Steel
<b>Bulb</b>	Stainless Steel Welded Construction
<b>Actuation</b>	45LR - Inert Liquid thru Stainless Steel Direct Drive Bourdon Coil. 45GR - Nitrogen thru Stainless Steel Direct Drive Bourdon Coil.
<b>Pointer</b>	Micrometer Adjustment Type
<b>Lens</b>	Gasket Sealed Glass (Standard); Polycarbonate

**HOW TO ORDER:** Choose options to build a part number. For example: 45GR0400-ST6316

**45GR**

**04**

**00**

**-ST6316**

MODEL

STEM LENGTH

TEMPERATURE RANGE

ACCESSORIES

**45GR** = Gas Actuated, 3/8" Stem  
**45LR** = Inert Liquid Actuated, 1/4" Stem

**04** = 4"  
**06** = 6"  
**09** = 9"  
**12** = 12"  
**15** = 15"  
**18** = 18"  
**24** = 24"

**Fahrenheit Ranges**  
**16** = -350°F to 150°F  
**17** = -100°F to 100°F  
**19** = -30°F to 120°F  
**20** = -40°F to 200°F  
**23** = 0°F to 150°F  
**25** = 0°F to 200°F  
**26** = 0°F to 240°F  
**27** = 0°F to 300°F  
**30** = 0°F to 400°F  
**31** = 0°F to 500°F  
**32** = 0°F to 600°F  
**34** = 0°F to 800°F  
**36** = 0°F to 1200°F

**Celsius Ranges**  
**00** = -200°C to 100°C  
**01** = -100°C to 100°C  
**02** = -30°C to 60°C  
**05** = -30°C to 120°C  
**06** = -10°C to 150°C  
**07** = 0°C to 100°C  
**08** = 0°C to 200°C  
**09** = 0°C to 240°C  
**10** = 0°C to 300°C  
**11** = 0°C to 400°C  
**13** = 0°C to 500°C  
**14** = 0°C to 600°C

**-EC** = Electrical Contacts  
**-MP** = Max. Hand Pointer  
**-SG** = Tempered Glass  
**-PY** = Polycarbonate Crystal

#### STANDARD THERMOWELLS WITH 3/4" NPT & 316SS

Stem Length	"U" Dim.	1/4" Element	3/8" Element
4"	2.5"	ST4316	ST4316-B3
6"	4.5"	ST6316	ST6316-B3
9"	7.5"	ST9316	ST9316-B3

**Note:** Thermowells should be used whenever the stem or bulb would be exposed to pressure, corrosion, velocity, abrasion or shear forces. Thermowells also make it possible to remove the thermometer without losing pressure or the contents of the process.

For Additional Thermowell Types, See Pages 160-166