Remote Reading Thermometers



GAS ACTUATED THERMOMETER

REOTEMP's Gas Actuated Thermometers combine advanced gas coil technology with a state-of-the-art adsorbent-(Class IV) thermal system, producing a superior temperature measurement instrument that can be fitted to a wide variety of applications. Features include high accuracy, low ambient error, no head error, and a high degree of over-range protection. The compact (3/8" diameter x 3" active length) bulb, and a wide range of case styles and thermal systems, allow great flexibility in installation. The linear dial on all REOTEMP gas thermometers provides a consistent 1% accuracy across the full span of each range. This, combined with over twenty Fahrenheit and dual ranges, from -320°F to +1200°F, provides complete coverage of all normal temperature requirements.



Looking for Smaller Sized Dials? Call REOTEMP customer service to inquire about gasactuated vapor thermometers.



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.







Accuracy

Custom Logo

Made in the USA

FEATURES / BENEFITS

- Accuracy ± 1% Full Scale
- Can Handle a Wide Temperature Range Up to 1200°F
- Wide Variety of Wall, Panel and Direct Mounting Options
- Capillary Lengths Up to 99 Feet
- **OEM Logo Dials/Custom Dials**
- One Year Warranty

SPECIFICATION				
Accuracy	±1% Full Scale, Calibration to NIST Traceable Standards °F, °C, and Dual Scale Ranges Available from -320°F to 1200°F (-200°C to 650°C)			
Ranges				
Overrange	Minimum 10% of span above top of range, or 1300°F (704°C), whichever is less.			
Ambient Error	1/4% of Span per 25°F Change in Ambient Temperature at Midscale			
Dial Size	4-1/2" & 6" Dials, White with Black Markings			
Case Material	Stainless Steel, Polypropylene, or Aluminum			
Case Styles	Panel Mount, Surface Mount, or Dire (stem) Mount			
Bulbs	316SS, 3/8" Diameter x 3" Active Length, Other Diameters and Length are Available			
Thermal Systems	Stainless steel capillary with stainles steel spring armor (up to 40ft). Over 4 feet, stainless steel interlock armor is standard. Direct mount stems, 316 Star to 48".			
Pointer	Aluminum, Slotted Adjustable Type to Permit Zero-Set Adjustments			
Lens	Glass (Standard), Safety Glass and Acrylic Options Available. Aluminum style is available with glass only.			
Immersion	Minimum 2" in liquid, and 4" in gas fo most ranges. Certain ranges require up to 4" in liquids & 5" in gas.			
Process Connection	Plain Bulb, 1/2" NPT Union, 1/2" NPT sliding union on 12" bendable extension, or thermowell. Note: Thermowells must be used wheneve the bulb would be exposed to pressure, fluid velocity, or corrosive			

media.

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HOW TO ORDER: Choose options to build a part number. For example: G45ER87L15FBXAW



CASE STYLE Mount Type Case Type Code Connection Dial Α В С G Н 1" .2" Rear 4 1/2" 5.83" 2.41" 5.08" 2.62" .24" 5.39" G45ER Polypropylene Turret Mount (E) G45EL 4 1/2" 5.83" 2.41" 5.08" 2.62" .2" .24" 5.39" Lower 5.88" Rear 4 1/2' 2.15" 5.04" .22" G45KR 5.38" Wall Mount G45KL Lower 4 1/2" 5.88" 2.15" 5.04" 22" 5.38" Stainless Steel Back Flange (K) G60KR Rear 7.5" 2.15 6.38" .25" 6.84" .25" G60KL Lower 6" 7.5" 2 15" 6.38" 6.84" 5.04" G45DA Adjustable 4 1/2' 2" 1.7 Stainless Steel All-Angle Direct **Direct Mount** G60DA Adjustable 6.38" 1.7" 2.15" Mount (D) 6.31" 1.63" 4.88 Aluminum Front G45FR 4 1/2 1.35" .19" 5.38" Rear Flange Hinge G60FR Rear 6" 1.59" 6.34" 1.75" 6.69" Ring (F) 7.87" .19 G45SR Rear 4 1/2" 5.88" 2.15" 5.04" 4.51" .22" 5.38" Stainless Steel Panel Mount Semi-Flush Front G60SR Rear 6" 7.5" 2.15 6.38" 5.88" .25" 6.84" Flange (S) 5.04" G45UR 4 1/2" 4.51" Rear Stainless Steel

6.38"

Е Polypropylene Turret Mount 3 HOLES ØG ON H BOLT CIRCLE

G60UR

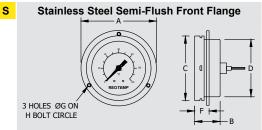
"U" Clamp (U)

THERMOMETERS

All dimensions are in inches.

Rear

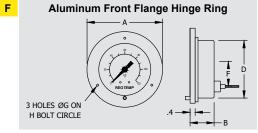




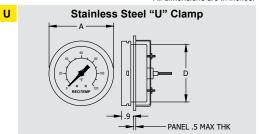
All dimensions are in inches Κ Stainless Steel Back Flange 3 HOLES ØG ON

5.88"

All dimensions are in inches.



All dimensions are in inches

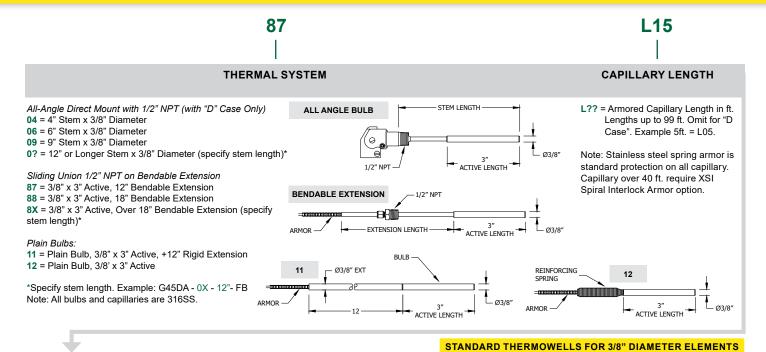


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FB **XAW TEMPERATURE RANGE ACCESSORIES &**

Ranges & Minor Divisions

FB = -320° F to 100° F, 5°

FE = -120°F to 120°F, 2°

FG = -40° F to 180° F, 2°

FH = 0° F to 120° F, 1°

FJ = 60° F to 120° F, 1°

FL = 20°F to 240°F, 2°

 $FN = 0^{\circ}F \text{ to } 300^{\circ}F, 5^{\circ}$

F0 = 150°F to 450°F. 5°

FP = 50° F to 550° F, 5°

FR = 50° F to 750° F, 5°

FT = 400°F to 1200°F, 10°

FX = 0°F to 1000°F, 10°

CD = -200° C to 100° C, 5° CI = 0°C to 120°C. 1°

CT = 200°C to 650°C, 5°

Dual Scale Ranges & Divisions

DB = -320°F to 100°F & -200°C to 40°C. 5° & 2°

DE = -120°F to 120°F & -85°C to 50°C, 2° & 1°

DG = -40° F to 180° F & -40° C to 80° C, 2° & 2°

DH = 0°F to 120°F & -15°C to 50°C, 1° & 1°

DJ = 60° F to 120° F & -15° C to 50° C, 1° & $1/2^{\circ}$

DL = 20°F to 240°F & -5°C to 110°C, 2° & 1°

DN = 0°F to 300°F & -10°C to 150°C, 5° & 1°

D1 = 150°F to 450°F & 70°C to 230°C, 5° & 1°

DP = 50°F to 550°F & 10°C to 290°C, 5° & 5°

DR = 50°F to 750°F & 0°C to 400°C, 5° & 5°

DT = 400°F to 1200°F & 200°C to 650°C, 10° & 5°

OPTIONS

XAW = Acrylic Window*

XSG = Safety Glass Window*

XFR = Flush Mounting Ring for

"E" Case

XBF = 1/2" NPT Compression Fitting for #11 Bulb

(Attaches to 12'

Extension, not Bulb) XCF = 1/2" NPT Compression

Fitting (Attaches to Spiral Interlock Armor, For #12

Bulb Only. Requires XSI Option.)

XSI = Spiral Interlock Armor (Required over 40 Feet)

XVD = Vibration Dampening Feature (Dampens

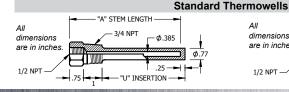
Vibration - Available in all Rear Connected Models)

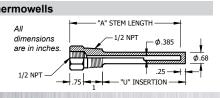
XTW = Thermowell (See Thermowell Table Below for Order Codes)

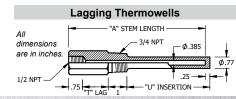
*Not Available for Aluminum Front Flange Hinge Ring (F) Case, F Case is Glass Only

	Р	P A U		304SS	316SS
	3/4" NPT	4"	2 1/2"	ST4304-SB3	ST4316-SB3
		6"	4 1/2"	ST6304-SB3	ST6316-SB3
		9"	7 1/2"	ST9304-SB3	ST9316-SB3
		12"	10 1/2"	ST12304-SB3	ST12316-SB3
		15"	13 1/2"	ST15304-SB3	ST15316-SB3
		18"	16 1/2"	ST18304-SB3	ST18316-SB3
		24"	22 1/2"	ST24304-SB3	ST24316-SB3
	1/2" NPT	4"	2 1/2"	ST4304-HSB3	ST4316-HSB3
		6"	4 1/2"	ST6304-HSB3	ST6316-HSB3
		9"	7 1/2"	ST9304-HSB3	ST9316-HSB3
		12"	10 1/2"	ST12304-HSB3	ST12316-HSB3
		15"	13 1/2"	ST15304-HSB3	ST15316-HSB3
		18"	16 1/2"	ST18304-HSB3	ST18316-HSB3
		24"	22 1/2"	ST24304-HSB3	ST24316-HSB3

	LAGGING THERMOWELLS FOR 3/8" DIAMETER ELEMEN						
	Р	Α	U	Т	304SS	316SS	
All dimensions are in inches.	3/4" NPT	6"	2 1/2"	2"	LG6304-SB3	LG6316-SB3	
		9"	4 1/2"	3"	LG9304-SB3	LG9316-SB3	
		12"	7 1/2"	3"	LG12304-SB3	LG12316-SB3	
		15"	10 1/2"	3"	LG15304-SB3	LG15316-SB3	
		18"	13 1/2"	3"	LG18304-SB3	LG18316-SB3	
		24"	19 1/2"	3"	LG24304-SB3	LG24316-SB3	







are in inches