

Digi-Sense® Bimetal Industrial Thermometers



Back-connected dial



Adjustable angle dial

General Features

- ±1% full-scale accuracy
- Reset screw for field calibration
- Anti-parallax dished dial for superior readability
- Rugged 304 stainless steel construction for tough environments
- Guaranteed hermetically sealed per ASME B40.3 standard to prevent fogging
- Heat-treated bimetal helix for extended life and accuracy
- Made in the USA

Standard Thermometers

- Silicone-free, dry case thermometer
- Manufactured in a totally silicone-free environment
- The “workhorse” thermometer of the industrial market place

Dampened Movement Thermometers

- Provides all the advantages of silicone-free, dry case thermometers
- Dampening is achieved by using an inert gel encapsulated in a dashpot
- Dry case eliminates the possibility of cross-contamination if thermometer breaks
- Eliminates pointer flutter, improving readability
- Increased overall life of the thermometer

Silicone-Filled Thermometers

- Designed for the most severe vibration conditions
- Silicone is used to dampen and lubricate all internal parts, enhancing readability and lifespan
- Superior performance that will hold up to the toughest vibration applications
- Lens material is acrylic due to the expansion properties of silicone

Specifications

Accuracy: ±1% full-scale

Materials: 304 SS case and stem†

Dimensions: 0.25" stem dia

Connections: ½" NPT(M)



Dial size (dia)	Stem length in. (cm)	Temperature ranges (scale divisions)								
		0 to 250°F (2°F) –20 to 120°C (1°C)		25 to 125°F (2°F) –5 to 50°C (1°C)		50 to 300°F (2°F) 10 to 150°C (1°C)		50 to 550°F (2°F) 10 to 290°C (1°C)		
		Cat. no.	Price*	Cat. no.	Price*	Cat. no.	Price*	Cat. no.	Price*	
Back-connected dial										
Standard (glass lens†)										
3" (7.6 cm)	2.5 (6.4)	GH-08138-01		—		GH-08138-03		GH-08138-04		
	4 (10.2)	GH-08139-01		GH-08139-02		GH-08139-03		GH-08139-04		
	6 (15.2)	GH-08140-01		GH-08140-02		GH-08140-03		GH-08140-04		
	9 (22.9)	GH-08141-01		GH-08141-02		GH-08141-03		GH-08141-04		
	12 (30.5)	GH-08142-01		GH-08142-02		GH-08142-03		GH-08142-04		
	24 (61.0)	GH-08144-01		GH-08144-02		GH-08144-03		GH-08144-04		
Dampened movement (glass lens†)										
3" (7.6 cm)	2.5 (6.4)	GH-90550-59		—		—		GH-90550-60		
	4 (10.2)	GH-90550-61		—		—		GH-90550-62		
	6 (15.2)	GH-90550-63		—		—		GH-90550-64		
	9 (22.9)	GH-90550-65		—		—		GH-90550-66		
	12 (30.5)	GH-90550-67		—		—		GH-90550-68		
	24 (61.0)	GH-90550-69		—		—		GH-90550-70		
Silicone-filled (acrylic lens†)										
3" (7.6 cm)	2.5 (6.4)	GH-90551-41		—		GH-90551-42		—		
	4 (10.2)	GH-90551-43		GH-08084-06		GH-90551-44		—		
	6 (15.2)	GH-90551-45		GH-08084-07		GH-90551-46		—		
	9 (22.9)	GH-90551-47		GH-08084-08		GH-90551-48		—		
	12 (30.5)	GH-90551-49		GH-08084-09		GH-90551-50		—		
	24 (61.0)	GH-90551-51		GH-08084-10		GH-90551-52		—		
Bottom-connected dial (90° angle)										
Standard (glass lens†)										
3" (7.6 cm)	2.5 (6.4)	GH-08131-01		—		GH-08131-03		GH-08131-04		
	4 (10.2)	GH-08132-01		GH-08132-02		GH-08132-03		GH-08132-04		
	6 (15.2)	GH-08133-01		GH-08133-02		GH-08133-03		GH-08133-04		
	9 (22.9)	GH-08134-01		GH-08134-02		GH-08134-03		GH-08134-04		
	12 (30.5)	GH-08135-01		GH-08135-02		GH-08135-03		GH-08135-04		
	24 (61.0)	GH-08137-01		GH-08137-02		GH-08137-03		GH-08137-04		
Dampened movement (glass lens†)										
3" (7.6 cm)	2.5 (6.4)	GH-90550-47		—		—		GH-90550-48		
	4 (10.2)	GH-90550-49		—		—		GH-90550-50		
	6 (15.2)	GH-90550-51		—		—		GH-90550-52		
	9 (22.9)	GH-90550-53		—		—		GH-90550-54		
	12 (30.5)	GH-90550-55		—		—		GH-90550-56		
	24 (61.0)	GH-90550-57		—		—		GH-90550-58		
Silicone-filled (acrylic lens†)										
3" (7.6 cm)	2.5 (6.4)	GH-90551-29		—		GH-90551-30		—		
	4 (10.2)	GH-90551-31		—		GH-90551-32		—		
	6 (15.2)	GH-90551-33		—		GH-90551-34		—		
	9 (22.9)	GH-90551-35		—		GH-90551-36		—		
	12 (30.5)	GH-90551-37		—		GH-90551-38		—		
	24 (61.0)	GH-90551-39		—		GH-90551-40		—		
Adjustable angle dial (0 to 90° angles)										
Standard (glass lens†)										
3" (7.6 cm)	2.5 (6.4)	GH-90490-01		—		GH-90490-03		GH-90490-04		
	4 (10.2)	GH-90491-01		GH-90491-02		GH-90491-03		GH-90491-04		
	6 (15.2)	GH-90492-01		GH-90492-02		GH-90492-03		GH-90492-04		
	9 (22.9)	GH-90493-01		GH-90493-02		GH-90493-03		GH-90493-04		
	12 (30.5)	GH-90494-01		GH-90494-02		GH-90494-03		GH-90494-04		
	24 (61.0)	GH-90496-01		GH-90496-02		GH-90496-03		GH-90496-04		
Dampened movement (glass lens†)										
3" (7.6 cm)	2.5 (6.4)	GH-90550-35		—		—		GH-90550-36		
	4 (10.2)	GH-90550-37		—		—		GH-90550-38		
	6 (15.2)	GH-90550-39		—		—		GH-90550-40		
	9 (22.9)	GH-90550-41		—		—		GH-90550-42		
	12 (30.5)	GH-90550-43		—		—		GH-90550-44		
	24 (61.0)	GH-90550-45		—		—		GH-90550-46		
Silicone-filled (acrylic lens†)										
3" (7.6 cm)	2.5 (6.4)	GH-90510-01		—		GH-90510-03		—		
	4 (10.2)	GH-08081-01		GH-08081-02		GH-08081-03		—		
	6 (15.2)	GH-08082-01		GH-08082-02		GH-08082-03		—		
	9 (22.9)	GH-08083-01		GH-08083-02		GH-08083-03		—		
	12 (30.5)	GH-08084-01		GH-08084-02		GH-08084-03		—		
	24 (61.0)	GH-90516-01		GH-90516-02		GH-90516-03		—		

*Discounts: Save 10% on 10–24, 15% on 25–49, and 20% on 50+ assorted thermometers.

†Maximum environmental temperature for glass lens is 550°F (290°C); acrylic lens is 180°F (82°C).

GH-17003-00 NIST-traceable calibration with data for bimetallic thermometer