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[Cole-Parmer® Industrial Silicone-Filled Bimetal Thermometers](#) |

"Cole-Parmer Industrial Silicone-Filled Bimetal Thermometer, 3" Dial, Back Connection, 12" Stem, 50/550F & 10/290C"





Cole-Parmer Industrial Silicone-Filled Bimetal Thermometer, 3" Dial, Back Connection, 12" Stem, 50/550F & 10/290C

Cole-Parmer - Item # EW-90590-24

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Improve readings and response times with silicone-filled dial

- Silicone-filled for reduction of pointer flutter on high vibration applications
- Easy-to-read dual °F/°C scales provide enhanced flexibility
- Anti-parallax dished dial for superior readability
- Durable all-welded stainless steel construction for tough environments
- Prevent dial fog, entry of moisture, interior corrosion, and coil freeze up with hermetically sealed case
- Rugged NEMA 4X/IP66 protection
- Recalibrate using the external reset screw
- ±1% full-scale accuracy according to ASME B40.200 (B40.3 Grade A)
- Designed with 3" diameter dial
- Constructed with durable 12" long stainless steel stem
- Thermometer features a 50 to 550°F (10 to 290°C) temperature range
- 5 year warranty

PRODUCT OPTIONS

Specifications & Description

Min Temperature (° F)	50
Min Temperature (° C)	10
Max Temperature (° F)	550
Max Temperature (° C)	290
Accuracy	±1%
Division (° C)	5
Division (° F)	5
Thermometer Fill	Silicone
Dial Size (in)	3
Dial / Case Material	304 stainless steel case and stem, polycarbonate window
Overall Length (in)	12.875
Overall Length (mm)	327.025
Stem Length (in)	12
Stem Diameter (in)	0.25
Stem Material	304 Stainless Steel
Connection	1/2" NPT (M)
ASTM Number	ASME B40.3
Description	Industrial Silicone-Filled Bimetal Thermometer, 3" Dial, Back Connection, 12" Stem, 50/550F & 10/290C
Warranty	5 years



KEY FEATURES

- Silicone-filled for reduction of pointer flutter on high vibration applications
- Easy-to-read dual °F/°C scales provide enhanced flexibility
- Anti-parallax dished dial for superior readability
- Durable all-welded stainless steel construction for tough environments
- Prevent dial fog, entry of moisture, interior corrosion, and coil freeze up with hermetically sealed case
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- Recalibrate using the external reset screw
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MORE ABOUT THIS ITEM

The Cole-Parmer® silicone-filled industrial bimetal thermometers feature NEMA 4X/IP66 protection for tough applications. Designed for the most severe vibration conditions, the silicone is used to dampen and lubricate internal parts, enhancing readability and lifespan. Silicone-filled thermometers offer superior performance that will hold up to the toughest vibration applications. The lens material is constructed of polycarbonate due to the expansion properties of silicone.

Accuracy is ±1% full-scale when stem is immersed 2" in liquids or 4" in gases (immerse models with a 2.5" stem length 2" in gases). Stem length is measured from the top of the threads to the bottom of the stem tip. Stem diameter is 0.25" with a 1/2" NPT(M) back connection. Maximum over temperature for thermometers with a max temperature of 250°F is 100% of span, and thermometers with a max temperature of 550°F is 50% of span. The ambient temperature range limits are -40°F to 150°F (-40°C to 65°C).



Agents Offline

Cole-Parmer | 625 East Bunker Ct Vernon Hills, IL 60061 United States
Telephone: 1-847-549-7600 | Fax: 847-549-1700 | Email: export@coleparmer.com
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