

---

[Home](#) | [Temperature Measurement Products](#) | [Bimetal Thermometers](#) |

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

"Cole-Parmer Industrial Silicone-Filled Bimetal Thermometer, 3" Dial, Back Connection, 4" Stem, 50/550F & 10/290C"



# Cole-Parmer Industrial Silicone-Filled Bimetal Thermometer, 3" Dial, Back Connection, 4" Stem, 50/550F & 10/290C

Cole-Parmer - Item # EW-90590-21

No Reviews [Write the First Review](#)

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 4" 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)	4.875
Overall Length (mm)	123.825
Stem Length (in)	4
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, 4" 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
- 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 4" long stainless steel stem
- Thermometer features a 50 to 550°F (10 to 290°C) temperature range
- 5 year warranty

## 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).

---

**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](mailto:export@coleparmer.com)  
© 2024 Cole-Parmer Instrument Company, LLC. All Rights Reserved.