

# Bimetal, Testing and General Purpose

## 150 SERIES



- Designed for general purpose testing applications, featuring a weather-resistant, tamper-proof case
- Pocket sized model is used by inspectors, service and maintenance personnel for spot checking
- Single °F, single °C, and dual scale options (1-3/4" and 2" models only) available
- Accuracy: ±1% full scale, Grade A, ASME B40.3
- 1", 1-3/4" and 2" sizes - center back connection only
- 304 Stainless Steel case and bezel
- Highly sensitive bimetallic helix coil is heat-treated for stress relief, and silicone-coated to minimize pointer vibration and maximize heat transfer and response time
- 360° groove around stem is a visual reference to show minimum immersion point
- Made in the U.S.A.

### APPLICATIONS

Used in almost every area of manufacturing, especially suited for laboratory testing and general purpose applications in the following areas:

- Laboratory
- Food & beverage processing
- Concrete
- Asphalt
- OEM equipment

	SERIES	SPECIFICATIONS
<b>Case &amp; bezel</b>	All 150 Series	304 Stainless Steel
<b>Lens</b>	All 150 Series	Instrument glass
<b>Pointer</b>	All 150 Series	Aluminum, black finish
<b>Stem diameter</b>	All 150 Series	.150" (3.81 mm)
<b>Accuracy</b>	All 150 Series	±1% full scale, Grade A, ASME B40.3
<b>Dial</b>	All 150 Series	Anodized Aluminum with large black numbers and graduations
<b>Wetted parts</b>	All 150 Series	304 Stainless Steel
<b>Hermetic seal</b>	All 150 Series	Per ASME B40.3 dustproof and leakproof
<b>Bimetal coil</b>	All 150 Series	Silicone coated helix coil on ranges below 500 °F for vibration dampening, maximum heat transfer and response time
<b>Over temperature limits</b>	All 150 Series	Up to 250 °F 100%; 250 °F to 550 °F 50%; 550 °F to 1,000 °F continuous use up to 800 °F; intermittent use over 800 °F

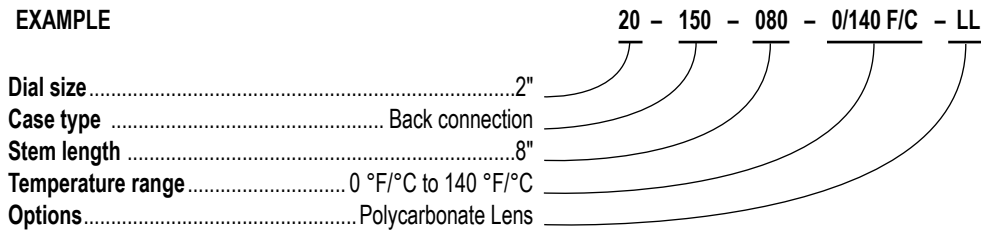
Thermowells are recommended for pressure, corrosive fluids and high velocity applications, see pages 48-50.

**WARNING:** This product can expose you to chemicals including Lead and Nickel, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

ORDERING INFORMATION						
DIAL SIZES	10	1" **	18	1-3/4"	20	2"
CASE TYPES	150	Back connection				
STEM LENGTHS	050	5"	120	12" †		
	080	8"	180	18" †		
TEMPERATURE RANGES	-100/100 F/C	-100 °F/°C to 100 °F/°C	0/250 F/C	0 °F/°C to 250 °F/°C	50/550 F/C	50 °F/°C to 550 °F/°C
	-40/160 F/C	-40 °F/°C to 160 °F/°C	20/240 F/C	20 °F/°C to 240 °F/°C	150/750 F/C	150 °F/°C to 750 °F/°C
<i>Dual Scale °F/°C</i>	0/140 F/C	0 °F/°C to 140 °F/°C	25/125 F/C	25 °F/°C to 125 °F/°C	200/1000 F/C	200 °F/°C to 1,000 °F/°C *
(Not available on 1" model)	0/180 F/C	0 °F/°C to 180 °F/°C	50/300 F/C	50 °F/°C to 300 °F/°C		
	0/220 F/C	0 °F/°C to 220 °F/°C	50/400 F/C	50 °F/°C to 400 °F/°C		
<i>Single Scale °F</i>	-100/100 F	-100 °F to 100 °F	0/220 F	0 °F to 220 °F **	50/400 F	50 °F to 400 °F
	-50/120 F	-50 °F to 120 °F	0/250 F	0 °F to 250 °F	50/500 F	50 °F to 500 °F **
	-40/160 F	-40 °F to 160 °F **	20/240 F	20 °F to 240 °F	50/550 F	50 °F to 550 °F
	0/140 F	0 °F to 140 °F	25/125 F	25 °F to 125 °F **	150/750 F	150 °F to 750 °F **
	0/180 F	0 °F to 180 °F	50/250 F	50 °F to 250 °F	200/1000 F	200 °F to 1,000 °F *
	0/200 F	0 °F to 200 °F	50/300 F	50 °F to 300 °F		
<i>Single Scale °C</i>	-75/175 C	-75 °C to 175 °C	-10/110 C	-10 °C to 110 °C **	0/300 C	0 °C to 300 °C
	-50/100 C	-50 °C to 100 °C	0/50 C	0 °C to 50 °C **	0/400 C	0 °C to 400 °C
	-50/25 C	-50 °C to 25 °C	0/100 C	0 °C to 100 °C	100/400 C	100 °C to 400 °C
	-50/50 C	-50 °C to 50 °C	0/150 C	0 °C to 150 °C	100/550 C	100 °C to 550 °C *
	-40/70 C	-40 °C to 70 °C **	0/200 C	0 °C to 200 °C		
	-20/120 C	-20 °C to 120 °C	0/250 C	0 °C to 250 °C **		
	Consult factory for additional temperature ranges					
OPTIONS	LL	Polycarbonate Lens	PS	Pocket Sheath ***	ST	Stainless Steel Tagging
	PL	Acrylic Lens †	SL	Silicone Filled †	TG	Tempered Glass Lens † †

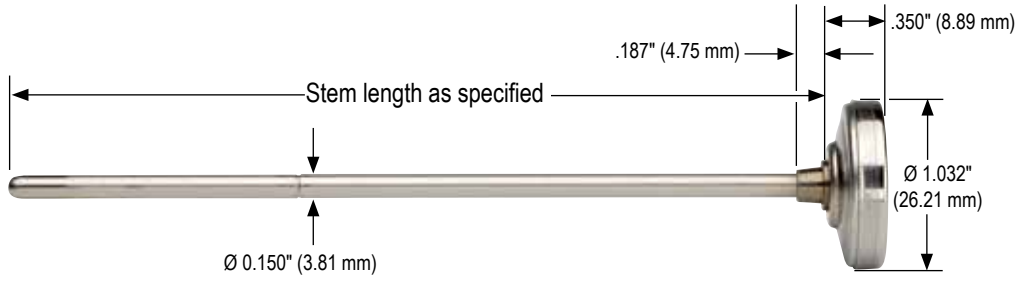
Please consult your local NOSHOK Distributor or NOSHOK, Inc. for availability and delivery information.

- \* Thermometers with temperature ranges 200/1000 °F and 100/500 °C are not recommended for continuous use above 800 °F/425 °C. For intermittent use only.
- \*\* 1" model available only in these ranges.
- \*\*\* Available for 10-150 and 18-150 models only, with stem lengths of 5" or 8".
- † Available for 20-150 models only. Available only for ranges from -50 °F (-45 °C) to 500 °F (260 °C). Polycarbonate lens is standard with Silicone Fill.
- † † Not available on 10-150 model. Also not available with Silicone Filled (SL) option.

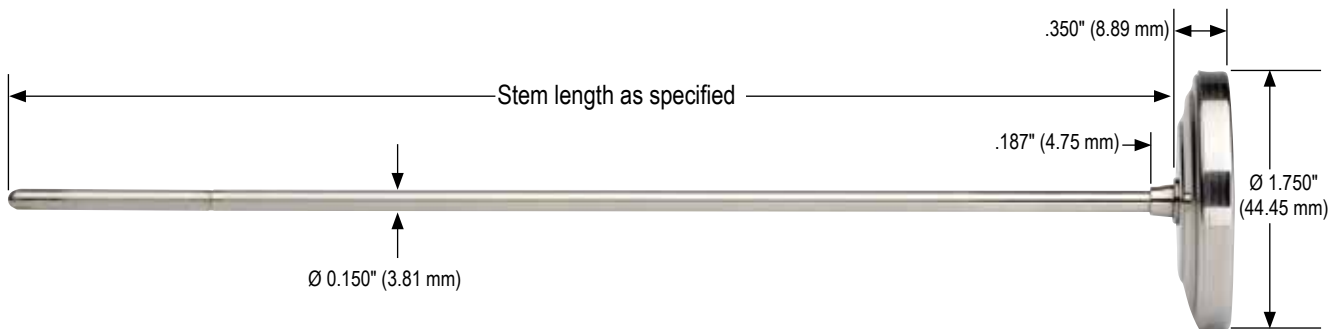


# Dimensions

## 10-150



## 18-150



**20-150**

