

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
- Standard stem lengths 2-1/2" through 18"
- 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
Case & bezel	All 150 Series	304 stainless steel
Lens	All 150 Series	Instrument glass
Pointer	All 150 Series	Aluminum, black finish
Stem diameter	All 150 Series	.150" (3.81 mm)
Accuracy	All 150 Series	±1% full scale, Grade A, ASME B40.3
Dial	All 150 Series	Anodized aluminum with large black numbers and graduations
Wetted parts	All 150 Series	304 stainless steel
Hermetic seal	All 150 Series	Per ASME B40.3 dustproof and leakproof
Bimetal coil	All 150 Series	Silicone coated helix coil on ranges below 500 °F for vibration dampening, maximum heat transfer and response time
Over temperature limits	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

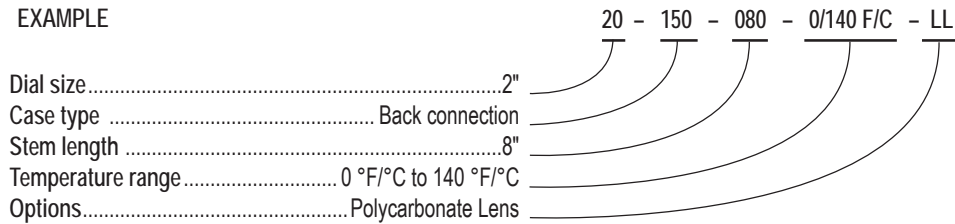
Thermowells are recommended for pressure, corrosive fluids and high velocity applications, see pages 46-48.

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***	SST	Stainless Steel Tagging	
	PL	Acrylic Lens †	SL	Silicone Filled (500 °F Max)†	TG	Tempered Glass Lens ††	

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

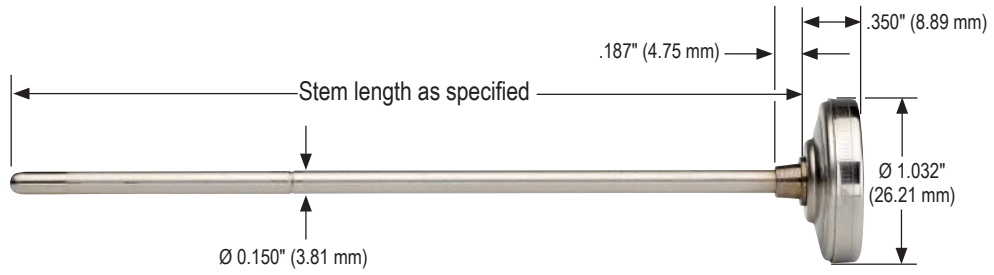
* Thermometers with temperature ranges 200/1000 °F and 100/500 °C are not recommended for continuous use above 800 °F/425 °C. For intermittent use only.
 ** 1" model available only in these ranges.
 *** Available for 10-150 and 18-150 models only, with stem lengths of 5" or 8".
 † Available for 20-150 models only.
 †† Not available on 10-150 model.

EXAMPLE

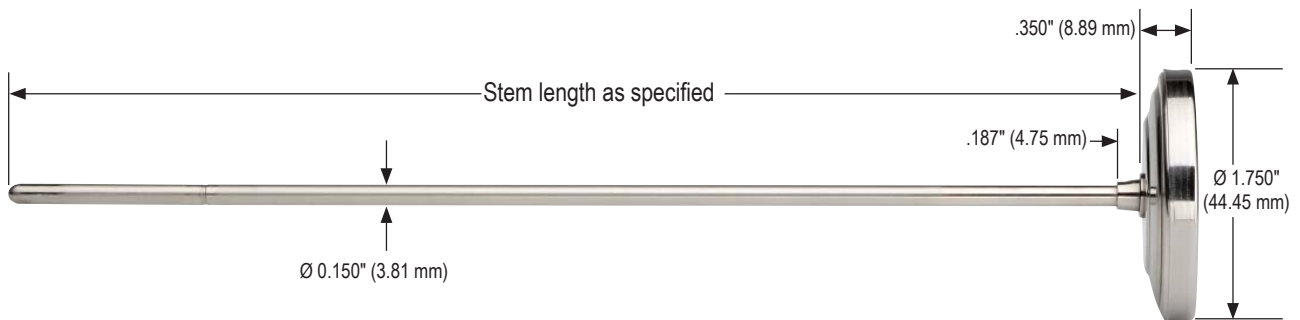


Dimensions

10-150



18-150



20-150

