

# Bimetal, Testing and General Purpose with External Reset

## 350 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
- A friction adjustment nut design provides easy calibration and maximum accuracy at a selected range
- Single °F, single °C, and dual scale (1-3/4" and 2" models only) options available
- Accuracy: ±1% full scale, Grade A, ASME B40.3
- 1", 1-3/8", 1-3/4", 2" and 3" sizes - center back connection only
- 304 stainless steel case and bezel
- Standard stem lengths 5 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
- Adjustable pan clips are standard on 18-350, 20-350 and 30-350 models with 5" and 8" stem lengths
- 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
- HVAC

	SERIES	SPECIFICATIONS
Case & bezel	All 350 Series	304 stainless steel; 316 stainless steel optional
Lens	14-350 All other 350 Series models	Convex Polycarbonate Instrument Glass
Pointer	All 350 Series	Aluminum, black finish
Stem diameter	All 350 Series	.150" (3.81 mm)
Accuracy	All 350 Series	±1% full scale, Grade A, ASME B40.3
Dial	All 350 Series	Anodized aluminum with large black numbers and graduations
Wetted parts	All 350 Series	304 stainless steel; 316 stainless steel optional
Hermetic seal	All 350 Series	Per ASME B40.3 dustproof and leakproof
Bimetal coil	All 350 Series	Silicone coated helix coil on ranges below 500 °F for vibration dampening, maximum heat transfer and response time
Over temperature limits	All 350 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
Recalibrator	All 350 Series	External reset

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"	30	3"		
	14	1-3/8" **	20	2"				
CASE TYPES	350 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***		TG	Tempered Glass Lens †
	PL	Acrylic Lens		ST	Stainless Steel Tagging			

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

Note: All 316 Stainless Steel construction (case, bezel, wetted parts) is available. Please consult factory.

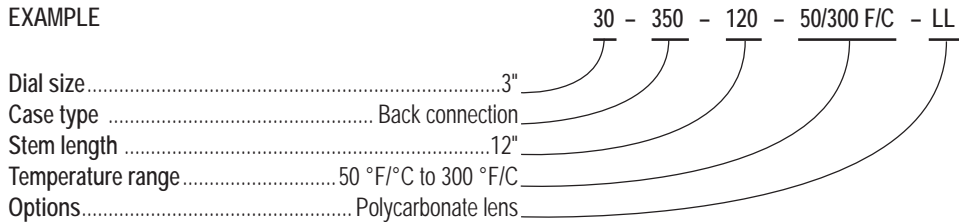
\* Thermometers with temperature ranges 200/1000 °F and 100/500 °C are not recommended for continuous use above 800 °F/425 °C. For intermittent use only.

\*\* 10-350 and 14-350 models are only available in these stem lengths and ranges.

\*\*\* Available for 5" or 8" stem lengths only.

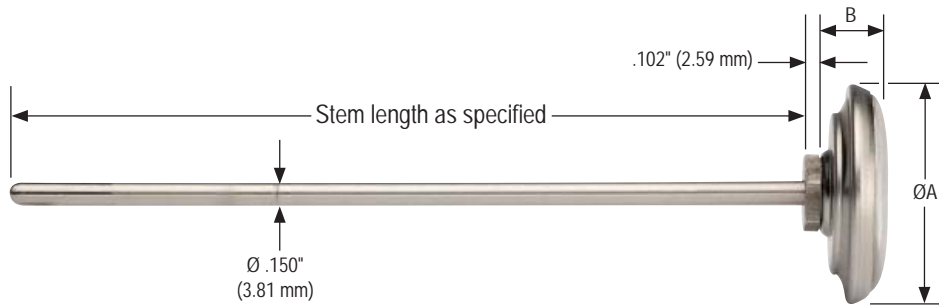
† Not available on 10-350 model. Also not available with Silicone Filled (SL) option.

**EXAMPLE**



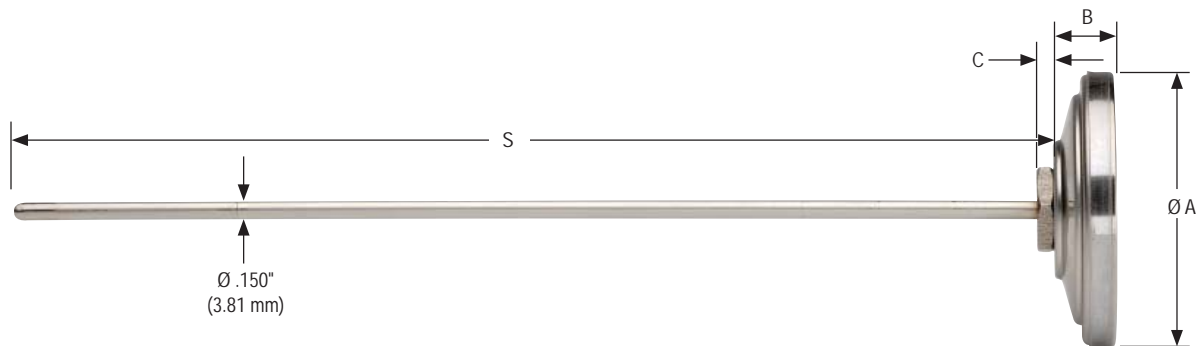
# Dimensions

14-350



See page 19 for dimension chart.

10-350/18-350/20-350/30-350



See page 19 for dimension chart.

Series	Ø A	B	C	S (Stem Length)
10-350	1.032" 26.21 mm	.350" 8.89 mm	—	As specified
14-350	1.358" 34.50 mm	.456" 11.58 mm	—	As specified
18-350	1.750" 44.45 mm	.412" 10.47 mm	.102" 2.59 mm	As specified
20-350	2.089" 53.06 mm	.438" 11.13 mm	.120" 3.05 mm	As specified
30-350	3.200" 81.28 mm	.465" 11.81 mm	.120" 3.05 mm	As specified



Pocket Sheath is available on 14-350 (shown left) and 10-350 (shown right) models, with 5" or 8" stem.