

# 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:  $\pm 1\%$  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	$\pm 1\%$ 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 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"	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
Dual Scale °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
(Not available on 1" model)	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 *
	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		
Single Scale °F	-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		
Single Scale °C	-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.

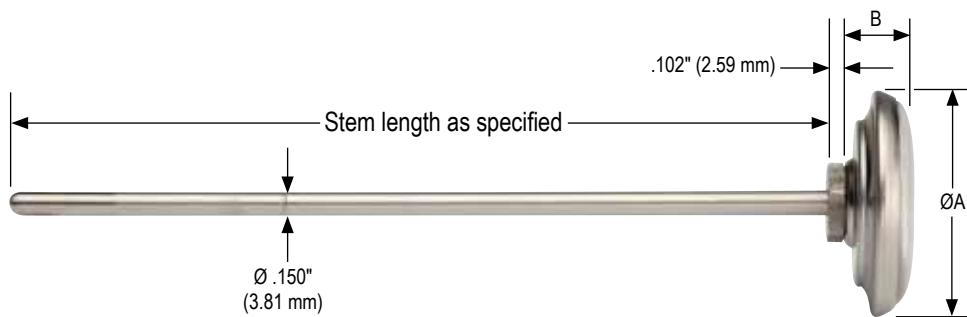
#### EXAMPLE

Dial size ..... 3"  
 Case type ..... Back connection  
 Stem length ..... 12"  
 Temperature range ..... 50 °F/°C to 300 °F/C  
 Options ..... Polycarbonate lens

30 - 350 - 120 - 50/300 F/C - LL

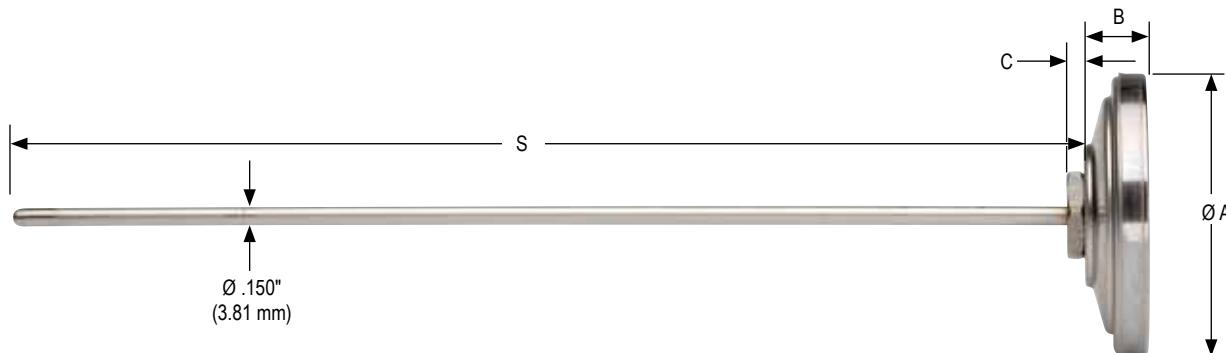
# Dimensions

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.