

For Commercial, Residential and Institutional HVAC Applications

Job Name _____

Contractor _____

Job Location _____

Approval _____

Engineer _____

Contractor's P.O. No. _____

Approval _____

Representative _____

Series TBR

Bottom Entry Bimetal Thermometers

Dial Size: 3" (80mm)

Series TBR Bottom-Entry Bimetal Thermometers are used in commercial, residential, and institutional HVAC applications. These thermometers feature chrome steel cases, Kostil polymer windows, brass stems, brass amplifying movements, 1/2" (15mm) NPT brass snap-in thermowells, and bimetal spiral spring sensing elements. The Series TBR thermometers are available in various temperature rating scales.

Features

- Chrome steel case
- Kostil polymer window
- Brass stem
- Brass amplifying movements
- 1/2" (15mm) NPT brass snap-in thermowells
- Bimetal spiral spring sensing element

Standards

- ASME B40.100
- EN ISO 9001:2008
- EN ISO 14001:2004

Temperature

Working Temperature: 32°F to 248°F (0°C to 120°C) or -22°F to 122°F (-30°C to 50°C)



TBR

NOTICE

The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.

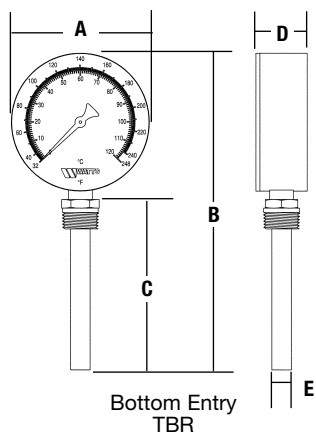
Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.



Materials

Case:	Chromed steel
Window:	Kostil polymer
Stem:	Brass
Amplifying Movement:	Brass
Thermowell:	Brass
Sensing Element:	Bimetal spiral spring

Dimensions — Weights



SIZE (DN)		MODEL	SCALE		PROBE SIZE		DIMENSIONS					WEIGHT						
<i>in.</i>	<i>mm</i>		$^{\circ}\text{F}$	$^{\circ}\text{C}$	<i>in.</i>	<i>mm</i>	A		B		C		D		E			
							<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>		
1/2	15	TBR-3-2	-22 – 122	-30 – 50	2	51	3	80	5 3/8	137	2	51	1 3/16	30	7/16	11	.4	.18
1/2	15	TBR-3-2	32 – 248	0 – 120	2	51	3	80	5 3/8	137	2	51	1 3/16	30	7/16	11	.4	.18
1/2	15	TBR-3-3	-22 – 122	-30 – 50	3	76	3	80	6 5/16	160	2 15/16	75	1 3/16	30	7/16	11	1.2	.54
1/2	15	TBR-3-3	32 – 140	0 – 60	3	76	3	80	6 5/16	160	2 15/16	75	1 3/16	30	7/16	11	1.2	.54
1/2	15	TBR-3-4	-22 – 122	-30 – 50	4	102	3	80	7 3/16	186	3 15/16	100	1 3/16	30	7/16	11	.8	.36
1/2	15	TBR-3-4	32 – 140	0 – 60	4	102	3	80	7 3/16	186	3 15/16	100	1 3/16	30	7/16	11	.8	.36
1/2	15	TBR-3-4	32 – 248	0 – 120	4	102	3	80	7 3/16	186	3 15/16	100	1 3/16	30	7/16	11	1.2	.54



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