

TRD SERIES BIMETAL DIAL THERMOMETER

Description & Features:

- 304 stainless steel dial thermometers (no mercury), used widely in HVAC and general industrial applications that require a high-quality, easy-to-read temperature indication.
- Hermetically sealed dial with glass lens (PC available) and an aluminum dished dial with clear black markings for accurate temperature readings.
- External recalibrator screw standard.
- +/- 1% accuracy.
- Case, stem, ring and thread are made from durable 304 stainless steel. Optional 316 stainless steel stem, case and thread is available.
- Reliable bimetallic sensor offers both accuracy and durability
- 7 Year warranty against manufacturing defects*

**See Merit Instruments warranty page for full coverage information.*



Specifications:

- Dial: 2", 3", 4", 5" and 6" dial sizes standard. All sizes have a dished-shaped dial to prevent parallax error in aluminum with easy-to-read black markings.
- Case: 304 stainless steel is standard. 316 stainless steel is optional.
- Stem: 304 stainless steel is standard. 316 stainless steel is optional.
- Ring: 304 stainless steel.
- Lens: Glass is standard with optional PC available.
- Recalibrator: Standard
- Connection Size: 1/4" NPT standard on 2" dial with optional 1/2" NPT available. All other dial sizes come standard with 1/2" NPT connection. BSP threads are available.
- Enclosure Rating: IP68
- Maximum Operating Pressure: 125 psi (861 kPa)*
- Operating Temperature: Maximum 75% of full-scale value for continuous use.
- Ambient Temperature: -58F to 248 F or -50 C to 120 C.

**NOTE: Merit Instruments recommends using a thermowell for any installation that has an operating pressure of 100 psi or higher. A thermowell is also recommended for operating conditions that experience high flow rates or process media that is corrosive to 304 stainless steel. Contact your Merit Instruments representative for more details.*

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	Dial Size	NPT Location	Stem Length	Range	Code
Bimetal Dial Thermometer 304 SS Hermetically Sealed, Dished Aluminum Dial, Recalibrator, Glass Lens	2"	1/4" NPT Center Back	2.5"	0/140 F	TRDB225099
				0/200 F	TRDB225100
				0/250 F	TRDB225101
				50/300 F	TRDB225102
				50/500 F	TRDB225103
				0/140 F&C	TRDB225104
				0/200 F&C	TRDB225105
				0/250 F&C	TRDB225106
				50/300 F&C	TRDB225107
				50/500 F&C	TRDB225108
				0/140 F	TRDB240099
				0/200 F	TRDB240100
				0/250 F	TRDB240101
				50/300 F	TRDB240102
	50/500 F	TRDB240103			
	0/140 F&C	TRDB240104			
	0/200 F&C	TRDB240105			
	0/250 F&C	TRDB240106			
	50/300 F&C	TRDB240107			
	50/500 F&C	TRDB240108			
	0/140 F	TRDB260099			
	0/200 F	TRDB260100			
	0/250 F	TRDB260101			
	50/300 F	TRDB260102			
	50/500 F	TRDB260103			
	0/140 F&C	TRDB260104			
	0/200 F&C	TRDB260105			
	0/250 F&C	TRDB260106			
50/300 F&C	TRDB260107				
50/500 F&C	TRDB260108				
0/140 F	TRDB325099				
0/200 F	TRDB325100				
0/250 F	TRDB325101				
50/300 F	TBRB325102				
50/500 F	TRDB325103				
0/140 F&C	TRDB325104				
0/200 F&C	TRDB325105				
0/250 F&C	TRDB325106				
50/300 F&C	TRDB325107				
50/500 F&C	TRDB325108				

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	Dial Size	NPT Location	Stem Length	Range	Code
Bimetal Dial Thermometer 304 SS Hermetically Sealed, Dished Aluminum Dial, Recalibrator, Glass Lens	3"	½" NPT Center Back	4"	0/140 F	TRDB34099
				0/200 F	TRDB340100
				0/250 F	TRDB340101
				50/300 F	TRDB340102
				50/500 F	TRDB340103
				0/140 F&C	TRDB340104
				0/200 F&C	TRDB340105
				0/250 F&C	TRDB340106
	3"	½" NPT Center Back	6"	0/140 F	TRDB360099
				0/200 F	TRDB360100
				0/250 F	TRDB360101
				50/300 F	TRDB360102
				50/500 F	TRDB360103
				0/140 F&C	TRDB360104
				0/200 F&C	TRDB360105
				0/250 F&C	TRDB360106
	3"	½" NPT Adjustable Angle	2.5"	0/140 F	TRDA325099
				0/200 F	TRDA325100
				0/250 F	TRDA325101
				50/300 F	TRDA325102
				50/500 F	TRDA325103
				0/140 F&C	TRDA325104
				0/200 F&C	TRDA325105
				0/250 F&C	TRDA325106
	3"	½" NPT Adjustable Angle	4"	0/140 F	TRDA340099
				0/200 F	TRDA340100
				0/250 F	TRDA340101
				50/300 F	TRDA340102
50/500 F				TRDA340103	
0/140 F&C				TRDA340104	
0/200 F&C				TRDA340105	
0/250 F&C				TRDA340106	
			50/300 F&C	TRDA340107	
			50/500 F&C	TRDA340108	

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Bimetal Dial Thermometer 304 SS Hermetically Sealed, Dished Aluminum Dial, Recalibrator, Glass Lens	3"	½" NPT Adjustable Angle	6"	0/140 F	TRDA360099
				0/200 F	TRDA360100
				0/250 F	TRDA360101
				50/300 F	TRDA360102
				50/500 F	TRDA360103
				0/140 F&C	TRDA360104
				0/200 F&C	TRDA360105
				0/250 F&C	TRDA360106
				50/300 F&C	TRDA360107
	50/500 F&C	TRDA360108			
	4"	½" NPT Center Back	2.5"	0/140 F	TRDB425099
				0/200 F	TRDB425100
				0/250 F	TRDB425101
				50/300 F	TRDB425102
				50/500 F	TRDB425103
				0/140 F&C	TRDB425104
				0/200 F&C	TRDB425105
				0/250 F&C	TRDB425106
50/300 F&C				TRDB425107	
50/500 F&C	TRDB425108				
4"	½" NPT Center Back	4"	0/140 F	TRDB440099	
			0/200 F	TRDB440100	
			0/250 F	TRDB440101	
			50/300 F	TRDB440102	
			50/500 F	TRDB440103	
			0/140 F&C	TRDB440104	
			0/200 F&C	TRDB440105	
			0/250 F&C	TRDB440106	
			50/300 F&C	TRDB440107	
50/500 F&C	TRDB440108				
4"	½" NPT Center Back	6"	0/140 F	TRDB460099	
			0/200 F	TRDB460100	
			0/250 F	TRDB460101	
			50/300 F	TRDB460102	
			50/500 F	TRDB460103	
			0/140 F&C	TRDB460104	
			0/200 F&C	TRDB460105	
			0/250 F&C	TRDB460106	
			50/300 F&C	TRDB460107	
50/500 F&C	TRDB460108				

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	Dial Size	NPT Location	Stem Length	Range	Code
Bimetal Dial Thermometer 304 SS Hermetically Sealed, Dished Aluminum Dial, Recalibrator, Glass Lens	4"	½" NPT Adjustable Angle	2.5"	0/140 F	TRDA425099
				0/200 F	TRDA425100
				0/250 F	TRDA425101
				50/300 F	TRDA425102
				50/500 F	TRDA425103
				0/140 F&C	TRDA425104
				0/200 F&C	TRDA425105
				0/250 F&C	TRDA425106
				50/300 F&C	TRDA425107
				50/500 F&C	TRDA425108
	4"	½" NPT Adjustable Angle	4"	0/140 F	TRDA440099
				0/200 F	TRDA440100
				0/250 F	TRDA440101
				50/300 F	TRDA440102
				50/500 F	TRDA440103
				0/140 F&C	TRDA440104
				0/200 F&C	TRDA440105
				0/250 F&C	TRDA440106
				50/300 F&C	TRDA440107
				50/500 F&C	TRDA440108
	4"	½" NPT Adjustable Angle	6"	0/140 F	TRDA460099
				0/200 F	TRDA460100
				0/250 F	TRDA460101
				50/300 F	TRDA460102
				50/500 F	TRDA460103
				0/140 F&C	TRDA460104
				0/200 F&C	TRDA460105
				0/250 F&C	TRDA460106
				50/300 F&C	TRDA460107
				50/500 F&C	TRDA460108
5"	½" NPT Center Back	2.5"	0/140 F	TRDB525099	
			0/200 F	TRDB525100	
			0/250 F	TRDB525101	
			50/300 F	TRDB525102	
			50/500 F	TRDB525103	
			0/140 F&C	TRDB525104	
			0/200 F&C	TRDB525105	
			0/250 F&C	TRDB525106	
			50/300 F&C	TRDB525107	
			50/500 F&C	TRDB525108	

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Bimetal Dial Thermometer 304 SS Hermetically Sealed, Dished Aluminum Dial, Recalibrator, Glass Lens	5"	½" NPT Center Back	4"	0/140 F	TRDB540099			
				0/200 F	TRDB540100			
				0/250 F	TRDB540101			
				50/300 F	TRDB540102			
				50/500 F	TRDB540103			
				0/140 F&C	TRDB540104			
				0/200 F&C	TRDB540105			
				0/250 F&C	TRDB540106			
				50/300 F&C	TRDB540107			
				50/500 F&C	TRDB540108			
				5"	½" NPT Center Back	6"	0/140 F	TRDB560099
				0/200 F			TRDB560100	
				0/250 F			TRDB560101	
				50/300 F			TRDB560102	
	50/500 F	TRDB560103						
	0/140 F&C	TRDB560104						
	0/200 F&C	TRDB560105						
	0/250 F&C	TRDB560106						
	50/300 F&C	TRDB560107						
	50/500 F&C	TRDB560108						
	5"	½" NPT Adjustable Angle	2.5"	0/140 F			TRDA525099	
	0/200 F			TRDA525100				
	0/250 F			TRDA525101				
	50/300 F			TRDA525102				
	50/500 F			TRDA525103				
	0/140 F&C			TRDA525104				
	0/200 F&C			TRDA525105				
	0/250 F&C			TRDA525106				
50/300 F&C	TRDA525107							
50/500 F&C	TRDA525108							
5"	½" NPT Adjustable Angle			4"	0/140 F	TRDA540099		
0/200 F					TRDA540100			
0/250 F					TRDA540101			
50/300 F					TRDA540102			
50/500 F		TRDA540103						
0/140 F&C		TRDA540104						
0/200 F&C		TRDA540105						
0/250 F&C		TRDA540106						
50/300 F&C		TRDA540107						
50/500 F&C		TRDA540108						

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Bimetal Dial Thermometer 304 SS Hermetically Sealed, Dished Aluminum Dial, Recalibrator, Glass Lens	5"	½" NPT Adjustable Angle	6"	0/140 F	TRDA560099
				0/200 F	TRDA560100
				0/250 F	TRDA560101
				50/300 F	TRDA560102
				50/500 F	TRDA560103
				0/140 F&C	TRDA560104
				0/200 F&C	TRDA560105
				0/250 F&C	TRDA560106
				50/300 F&C	TRDA560107
				50/500 F&C	TRDA560108
	6"	½" NPT Center Back	2.5"	0/140 F	TRD6525099
				0/200 F	TRD6525100
				0/250 F	TRD6525101
				50/300 F	TRD6525102
				50/500 F	TRD6525103
				0/140 F&C	TRD6525104
				0/200 F&C	TRD6525105
				0/250 F&C	TRD6525106
				50/300 F&C	TRD6525107
				50/500 F&C	TRD6525108
	6"	½" NPT Center Back	4"	0/140 F	TRDB640099
				0/200 F	TRDB640100
				0/250 F	TRDB640101
				50/300 F	TRDB640102
				50/500 F	TRDB640103
				0/140 F&C	TRDB640104
				0/200 F&C	TRDB640105
0/250 F&C				TRDB640106	
50/300 F&C				TRDB640107	
50/500 F&C				TRDB640108	
6"	½" NPT Center Back	6"	0/140 F	TRDB660099	
			0/200 F	TRDB660100	
			0/250 F	TRDB660101	
			50/300 F	TRDB660102	
			50/500 F	TRDB660103	
			0/140 F&C	TRDB660104	
			0/200 F&C	TRDB660105	
			0/250 F&C	TRDB660106	
			50/300 F&C	TRDB660107	
			50/500 F&C	TRDB660108	

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	Dial Size	NPT Location	Stem Length	Range	Code
Bimetal Dial Thermometer 304 SS Hermetically Sealed, Dished Aluminum Dial, Recalibrator, Glass Lens	6"	½" NPT Adjustable Angle	2.5"	0/140 F	TRDA625099
				0/200 F	TRDA625100
				0/250 F	TRDA625101
				50/300 F	TRDA625102
				50/500 F	TRDA625103
				0/140 F&C	TRDA625104
				0/200 F&C	TRDA625105
				0/250 F&C	TRDA625106
				50/300 F&C	TRDA625107
	50/500 F&C	TRDA625108			
	6"	½" NPT Adjustable Angle	4"	0/140 F	TRDA640099
				0/200 F	TRDA640100
				0/250 F	TRDA640101
				50/300 F	TRDA640102
				50/500 F	TRDA640103
				0/140 F&C	TRDA640104
				0/200 F&C	TRDA640105
				0/250 F&C	TRDA640106
50/300 F&C				TRDA640107	
50/500 F&C	TRDA640108				
6"	½" NPT Adjustable Angle	6"	0/140 F	TRDA660099	
			0/200 F	TRDA660100	
			0/250 F	TRDA660101	
			50/300 F	TRDA660102	
			50/500 F	TRDA660103	
			0/140 F&C	TRDA660104	
			0/200 F&C	TRDA660105	
			0/250 F&C	TRDA660106	
			50/300 F&C	TRDA660107	
50/500 F&C	TRDA660108				