Merit Instruments

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 available upon request.
- 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.
- 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: ¼” NPT standard on 2” dial with optional ½” NPT available. All other dial sizes come standard with ½” NPT connection. BSP threads are available.
- Enclosure Rating: IP68
- Made to ASME B40.100 standards
- 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
	2"	1/4" NPT Center Back	4"	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
	2"	1/4" NPT Center Back	6"	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
	2"	1/4" NPT Center Back	9"	0/140 F	TRDB290099
				0/200 F	TRDB290100
				0/250 F	TRDB290101
				50/300 F	TRDB290102
				50/500 F	TRDB290103
				0/140 F&C	TRDB290104
				0/200 F&C	TRDB290105
				0/250 F&C	TRDB290106
				50/300 F&C	TRDB290107
				50/500 F&C	TRDB290108

TRD SERIES BIMETAL DIAL THERMOMETER

	Dial Size	NPT Location	Stem Length	Range	Code
Bimetal Dial Thermometer 304 SS Hermetically Sealed, Dished Aluminum Dial, Recalibrator, Glass Lens	3"	Center Back	2.5"	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
	3"	Center Back	4"	0/140 F	TRDB340099
				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
				50/300 F&C	TRDB340107
				50/500 F&C	TRDB340108
	3"	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
				50/300 F&C	TRDB360107
				50/500 F&C	TRDB360108
	3"	Center Back	9"	0/140 F	TRDB390099
				0/200 F	TRDB390100
				0/250 F	TRDB390101
				50/300 F	TRDB390102
				50/500 F	TRDB390103
				0/140 F&C	TRDB390104
				0/200 F&C	TRDB390105
				0/250 F&C	TRDB390106
				50/300 F&C	TRDB390107
				50/500 F&C	TRDB390108

TRD SERIES BIMETAL DIAL THERMOMETER

	Dial Size	NPT Location	Stem Length	Range	Code
Bimetal Dial Thermometer 304 SS Hermetically Sealed, Dished Aluminum Dial, Recalibrator, Glass Lens	3"	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
				50/300 F&C	TRDA325107
				50/500 F&C	TRDA325108
	3"	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
	3"	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
	3"	Adjustable Angle	9"	0/140 F	TRDA390099
				0/200 F	TRDA390100
				0/250 F	TRDA390101
				50/300 F	TRDA390102
				50/500 F	TRDA390103
				0/140 F&C	TRDA390104
				0/200 F&C	TRDA390105
				0/250 F&C	TRDA390106
				50/300 F&C	TRDA390107
				50/500 F&C	TRDA390108

TRD SERIES BIMETAL DIAL THERMOMETER

	Dial Size	NPT Location	Stem Length	Range	Code
Bimetal Dial Thermometer 304 SS Hermetically Sealed, Dished Aluminum Dial, Recalibrator, Glass Lens	4"	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"	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"	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
	4"	Center Back	9"	0/140 F	TRDB490099
				0/200 F	TRDB490100
				0/250 F	TRDB490101
				50/300 F	TRDB490102
				50/500 F	TRDB490103
				0/140 F&C	TRDB490104
				0/200 F&C	TRDB490105
				0/250 F&C	TRDB490106
				50/300 F&C	TRDB490107
				50/500 F&C	TRDB490108

TRD SERIES BIMETAL DIAL THERMOMETER

	Dial Size	NPT Location	Stem Length	Range	Code
Bimetal Dial Thermometer 304 SS Hermetically Sealed, Dished Aluminum Dial, Recalibrator, Glass Lens	4"	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"	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"	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
	4"	Adjustable Angle	9"	0/140 F	TRDA490099
				0/200 F	TRDA490100
				0/250 F	TRDA490101
				50/300 F	TRDA490102
				50/500 F	TRDA490103
				0/140 F&C	TRDA490104
				0/200 F&C	TRDA490105
				0/250 F&C	TRDA490106
				50/300 F&C	TRDA490107
				50/500 F&C	TRDA490108

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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	5"	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
	5"	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"	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"	Center Back	9"	0/140 F	TRDB590099
				0/200 F	TRDB590100
				0/250 F	TRDB590101
				50/300 F	TRDB590102
				50/500 F	TRDB590103
				0/140 F&C	TRDB590104
				0/200 F&C	TRDB590105
				0/250 F&C	TRDB590106
				50/300 F&C	TRDB590107
				50/500 F&C	TRDB590108

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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	5"	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"	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
	5"	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
	5"	Adjustable Angle	9"	0/140 F	TRDA590099
				0/200 F	TRDA590100
				0/250 F	TRDA590101
				50/300 F	TRDA590102
				50/500 F	TRDA590103
				0/140 F&C	TRDA590104
				0/200 F&C	TRDA590105
				0/250 F&C	TRDA590106
				50/300 F&C	TRDA590107
				50/500 F&C	TRDA590108

TRD SERIES BIMETAL DIAL THERMOMETER

	Dial Size	NPT Location	Stem Length	Range	Code
Bimetal Dial Thermometer 304 SS Hermetically Sealed, Dished Aluminum Dial, Recalibrator, Glass Lens	6"	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"	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"	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
	6"	Center Back	9"	0/140 F	TRDB690099
				0/200 F	TRDB690100
				0/250 F	TRDB690101
				50/300 F	TRDB690102
				50/500 F	TRDB690103
				0/140 F&C	TRDB690104
				0/200 F&C	TRDB690105
				0/250 F&C	TRDB690106
				50/300 F&C	TRDB690107
				50/500 F&C	TRDB690108

TRD SERIES BIMETAL DIAL THERMOMETER

	Dial Size	NPT Location	Stem Length	Range	Code
Bimetal Dial Thermometer 304 SS Hermetically Sealed, Dished Aluminum Dial, Recalibrator, Glass Lens	6"	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"	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"	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
	6"	Adjustable Angle	9"	0/140 F	TRDA690099
				0/200 F	TRDA690100
				0/250 F	TRDA690101
				50/300 F	TRDA690102
				50/500 F	TRDA690103
				0/140 F&C	TRDA690104
				0/200 F&C	TRDA690105
				0/250 F&C	TRDA690106
				50/300 F&C	TRDA690107
				50/500 F&C	TRDA690108