

Mercury Thermometer Replacement Alternatives

Thermometer Description Range / Division	Stanford Vendors of Non-Mercury Thermometers			
	VWR		Fisher Scientific	
Total Immersion	Catalog Number	Length	Catalog Number	Length
-200 to 30°C/2°C	89095-592	350 mm	13-201-660	355mm
-100 to 100°C/1.0°C	NA	NA	NA	NA
-100 to 50°C/1.0°C	89137-090	305 mm	13-201-659	355mm
-100 to 60°C/2.0°C	NA	NA	NA	NA
-50 to 50°C/1.0°C	89095-570	300 mm	13-201-652	305mm
-40 to 50°C/0.5 - 1.0°C	NA	NA	NA	NA
-40 to 120°F/2.0°F	89095-584	300 mm	NA	NA
-35 to 50°C/1.0°C	89095-568	300 mm	13-202-639	160mm
			13-201-653	300mm
-30 to 50°C/1.0°C	NA	NA	NA	NA
-30 to 120°F/2.0°F	89082-218	300 mm	13-202-505	160mm
-20 to 110°C/1.0°C	89095-572	300 mm	13-201-654	300mm
-20 to 150°C/1.0°C	89095-574	300 mm	13-201-655	300mm
-15 to 105°C/1.0°C	NA	NA	NA	NA
-10 to 110°C/1.0°C	89095-626	200 mm	13-201-415	305mm
-10 to 150°C/1.0 - 2.0°C	89095-628	200 mm	NA	NA
-10 to 200°C/1.0°C	89062-918	355.6 mm	NA	NA
-10 to 205°C/1.0°C	NA	NA	NA	NA
-10 to 210°C/1.0°C	NA	NA	NA	NA
-10 to 220°C/1.0°C	NA	NA	NA	NA
-10 to 225°C/1.0 - 2.0°C	89095-614	350 mm	13-201-556	355mm
-10 to 260°C/1.0°C	NA	NA	NA	NA
-5 to 50°C/0.5°C	89095-702	160 mm	13-201-697	160mm
-5 to 55°C/1.0°C	NA	NA	NA	NA
-5 to 105°C/1.0°C	NA	NA	NA	NA
-1 to 51°C/0.2°C	NA	NA	13-201-636	460mm
-1 to 101°C/0.1°C	NA	NA	13-202-310	610mm
-1 to 201°C/0.2°C	NA	NA	NA	NA
0 to 220°C/2.0°C	89095-708	160 mm	NA	NA
0 to 230°F/2.0°F	NA	NA	13-201-665	300mm
0 to 300°F/2.0°F	89062-924	304.8 mm	NA	NA
15 to 40°C/0.5°C	NA	NA	NA	NA
20 to 120°F/2.0°F	89095-706	160 mm	NA	NA
20 to 230°F/2.0°F	NA	NA	NA	NA
20 to 300°F/2.0°F	NA	NA	NA	NA
20 to 435°F/2.0°F	NA	NA	NA	NA
20 to 440°F/2.0°F	89095-620	350 mm	NA	NA
30 to 124°F/0.2°F	NA	NA	NA	NA
30 to 214°F/0.2°F	NA	NA	NA	NA
30 to 394°F/0.5°F	NA	NA	NA	NA
76 mm Immersion	Catalog Number	Length	Catalog Number	Length
-100 to 100°C/1.0°C	NA	NA	NA	NA
-100 to 50°C/1.0°C	89095-630	300 mm	NA	NA
-50 to 50°C/1.0°C	89062-902	300 mm	NA	NA
-40 to 50°C/0.5 - 1.0°C	NA	NA	NA	NA

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76 mm Immersion Cont.	Catalog Number	Length	Catalog Number	Length
-40 to 120°F/2.0°F	89095-576	300 mm	NA	NA
-35 to 50°C/1.0°C	89095-560	300 mm	13-201-643 13-201-672	300mm 300mm
-30 to 120°C/1.0°C	89084-764	300 mm	NA	NA
-20 to 110°C/0.5 - 1.0°C	89095-636	300 mm	13-201-644	300mm
-20 to 150°C/1.0°C	89095-638	300 mm	13-201-645 13-201-411	300mm 305mm
-15 to 60°C/1.0°C	NA	NA	NA	NA
-10 to 51°C/1.0°C	89095-560	300 mm	NA	NA
-10 to 70°C/0.5°C	89095-634	300 mm	NA	NA
-10 to 110°C/1.0°C	89095-658	200 mm	NA	NA
-10 to 205°C/1.0°C	NA	NA	NA	NA
-10 to 200°C/1.0°C	89062-916	355.6 mm	NA	NA
-10 to 210°C/1.0°C	NA	NA	NA	NA
-10 to 225°C/1.0°C	NA	NA	NA	NA
-10 to 250°C/1.0°C	NA	NA	13-201-932	360mm
-10 to 260°C/2.0°C	89095-604	350 mm	13-201-555	355mm
-10 to 70°C/0.5°C	NA	NA	NA	NA
-1 to 51°C/1.0°C	89095-820	460 mm	13-201-630	460mm
-1 to 61°C/0.1°C	89095-632	420 mm	NA	NA
-1 to 101°C/0.1°C	NA	NA	13-201-631	610mm
-1 to 201°C/0.2°C	NA	NA	13-201-632	610mm
0 to 61°C/0.1°C	NA	NA	NA	NA
0 to 230°F/2.0°F	89217-886	300 mm	13-201-647	300mm
0 to 300°F/2.0°F	89095-580	300 mm	13-201-648	
0 to 302°F/2.0°F	NA	NA	NA	NA
20 to 400°F/2.0°F	NA	NA	NA	NA
20 to 500°F/2.0°F	89095-608	350 mm	13-201-649	355mm
30 to 124°F/--	NA	NA	NA	NA
30 to 214°F/--	NA	NA	NA	NA
30 to 394°F/2.0°F	NA	NA	NA	NA
Partial Immersion Range/Immersion/Division	Catalog Number	Length	Catalog Number	Length
-100 to 50°C/150mm - 305mm/1.0°C	89095-630	300 mm	NA	NA
-50 to 50°C/150mm - 305mm/1.0°C	NA	NA	NA	NA
-40 to 120°F/2.0°F	NA	NA	13-201-676	300mm
-20 to 150°C/25mm - 455mm/1.0°C	89095-638	300 mm	NA	NA
-10 to 110°C/50mm/2.0°C	89095-622	200 mm	NA	NA
-10 to 150°C/50mm/2.0°C	89095-660	200 mm	NA	NA
-10 to 250°C/25mm - 457mm/1.0°C	NA	NA	NA	NA
0 to 230°F/50mm/2°F	NA	NA	NA	NA
0 to 300°F/50mm/2°F	NA	NA	NA	NA
20 to 230°F/50mm/2.0°F	NA	NA	NA	NA
20 to 300°F/50mm/2.0°F	89084-786	203.2 mm	NA	NA

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	VWR		Fisher Scientific	
Specialty Thermometers Range/Immersion/Division	Catalog Number	Length	Catalog Number	Length
0 to 100°C /35mm/1.0°C (heat block)	89095-802	225 mm	NA	NA
- 30 to 0°C /total/0.5°C (freezer)	89095-670	135 mm	NA	NA
-20 to 35 °F/1°F (freezer)	89217-966	135 mm	NA	NA
-25 to 5 °C/0.1°C (freezer)	NA	NA	NA	NA
-5 to 20°C /total/1°C (blood bank)	61222-616	152 mm	NA	NA
-2 to 10°C/0.1°C (refrigerator)	89095-674	180 mm	NA	NA
-5 to 15°C /total/0.5°C (refrigerator)	89095-676	125 mm	NA	NA
15 to 30°C/0.1°C (incubator)	NA	NA	13-201-524	180mm
15 to 50°C /total/0.5°C (incubator)	89095-686	135 mm	NA	NA
24 to 57°C/35mm/0.5°C (incubator)	89095-800	175 mm	NA	NA
24 to 45°C/0.1°C (incubator)	NA	NA	NA	NA
20 to 130°C /total/1.0-2.0°C (oven)	89218-002	145 mm	13-202-635	145mm
35 to 200°C /total/1.0°C (oven)	89095-816	180 mm	NA	NA
95 to 115°C/0.1°C (oven)	89095-688	200 mm	NA	NA
0 to 200°C/76 - 125mm/1.0°C (?)	89095-814	405 mm	NA	NA
50 to 200°C/2.0°C (oven)	89095-692	145 mm	NA	NA
20 to 60°C /total/2.0°C (refrigerator)	NA	NA	NA	NA
-90 to 20°C /total/1.0°C (ultra low freezer)	NA	NA	NA	NA

Notes:

If you must use a mercury thermometer, please Teflon coat the thermometer, which prevents contamination/exposure if the thermometer is broken. Please dispose of your mercury thermometer through Environmental Health and Safety, as you would other hazardous waste.

The accuracy of all thermometers listed above is comparable to standards from the National Institute of Standards and Technology. Please contact your vendor for exact information.

All information was obtained from the following companies, please call to verify all information. Other mercury-free thermometers may be available.

VWR - Your local campus store can order or call: (800) 932-5000

VWR Catalog:

https://us.vwr.com/store/catalog/vwr_products.jsp

Fisher Scientific - Your local campus store can order or call: (800) 766-7000

Fisher Scientific Catalog:

<https://www.fishersci.com/us/en/browse/90151121/thermometers-and-temperature-measurement>