

Comparison of Thermometry Devices

	Medical Indicators' Thermometers	Tympanic	Electronic	Temporal	Infrared
Accuracy	± 0.2 °F/± 0.1 °C	± 0.5 °F/± 0.3 °C	± 0.4 °F/± 0.2 °C	± 0.2 °F/± 0.1 °C	± 0.5 °F/± 0.3 °C
Weight	>1 Ounce	21 Ounces	13.5 Ounces	7.5 Ounces	14.5 Ounces
Batteries	No Batteries Needed	(3) AAA Batteries	(4) AA Batteries	(1) 9-Volt Battery	(2) AAA Batteries
Additional Accessories	No additional accessories needed	Yes: cords, probe covers, cleaning supplies, replacement parts	Yes: cords, probe covers, cleaning supplies, replacement parts	Yes: cords, probe covers, cleaning supplies, replacement parts	Yes: cleaning supplies, replacement parts
Calibration	No calibration needed	Must be calibrated every 6-8 weeks to maintain accuracy; avg. cost \$250/per calibration	Must be calibrated every 6-8 weeks to maintain accuracy; avg. cost \$250/per calibration	Must be calibrated every 6-8 weeks to maintain accuracy; avg. cost \$250/per calibration	Must be calibrated every 6-8 weeks to maintain accuracy; avg. cost \$250/per calibration
Convenience	Lightweight, compact, and easily transported; Individually wrapped to ensure safety & cleanliness	Must transport thermometer and accessories; carrying case is needed to safely transport or device should be cleaned before use after transport to ensure cleanliness	Must transport thermometer and accessories; carrying case is needed to safely transport or device should be cleaned before use after transport to ensure cleanliness	Must transport thermometer and accessories; carrying case is needed to safely transport or device should be cleaned before use after transport to ensure cleanliness	Must transport thermometer and accessories; carrying case is needed to safely transport or device should be cleaned before use after transport to ensure cleanliness
Waterproof	YES	NO	NO	NO	NO
Cleaning Required	No; once the thermometer is used, discard in the regular trash; virtually eliminates the risk of infection transfer	Yes; probe covers must be used and device must be cleaned between every use to prevent the spread of infections	Yes; probe covers must be used and device must be cleaned between every use to prevent the spread of infections	Yes; probe covers must be used and device must be cleaned between every use to prevent the spread of infections	Yes; probe covers are not needed, but the device should be cleaned regularly to prevent the spread of infections
Loss Prevention	Minimal Capital Loss	Significant Capital Loss	Significant Capital Loss	Significant Capital Loss	Significant Capital Loss
Breakable	NO	YES	YES	YES	YES