



The Digital Flexible Tip Thermometer (VM-THDFLEX) is a mercury-free clinical thermometer with a soft flexible probe tip, measuring body temperature across 32–42°C with $\pm 0.1^{\circ}\text{C}$ accuracy via oral, axillary, or rectal route. A 3.5-digit LCD displays the reading, and an audible beep alarm signals measurement completion at approximately 60 seconds. Waterproof construction, AG3 1.5V battery,

and CE, ISO, and FDA certification. At 40g and 180 × 47 × 15mm.

Flexible Tip Design for Safe and Comfortable Multi-Route Measurement

The Digital Flexible Tip Thermometer (VM-THDFLEX) is a mercury-free clinical thermometer with a soft flexible probe that reduces patient discomfort compared to rigid-tip thermometers, particularly for oral and rectal measurement routes where probe rigidity can cause discomfort or injury risk in children and infants. The flexible tip conforms gently to body contours, improving probe-to-tissue thermal contact consistency for reliable temperature readings across all three measurement routes — oral, axillary (armpit), and rectal. The thermometer is calibrated across the clinical body temperature range of 32–42°C with $\pm 0.1^\circ\text{C}$ accuracy, sufficient for confident discrimination of normothermia from clinically significant fever in all age groups. The 3.5-digit LCD displays the current temperature clearly, and out-of-range indicators — L°C for temperatures below 32°C and H°C for temperatures above 42°C — alert the user when a measurement falls outside the calibrated range.

Audible Completion Alarm and Waterproof Construction

The VM-THDFLEX emits an audible beep alarm when the measurement cycle is complete — typically after approximately 60 seconds in the measurement position — signalling that the final stable temperature reading is available for observation. This completion alarm removes the need for the user to continuously monitor for reading stability, allowing the thermometer to be positioned and then attended to when the beep sounds. The waterproof construction allows the probe and shaft to be rinsed under running water between uses, supporting hygiene protocols for both multi-patient clinical environments and routine home cleaning. The thermometer contains no mercury, eliminating the safety hazard of glass breakage and mercury spill associated with traditional mercury thermometers and allowing safe disposal through standard household waste streams.

Compact, Certified, and Available in South Africa

The VM-THDFLEX operates on a single AG3 1.5V button cell battery with a power consumption of

0.15mW during use. Weighing 40g and measuring 180 × 47 × 15mm, it is compact enough for storage in a clinical instrument tray, first aid kit, or bedside table without requiring dedicated storage space. CE, ISO, and FDA certified, the Digital Flexible Tip Thermometer meets international standards for clinical thermometer accuracy and safety. Available in South Africa from Vital Medical, the VM-THDFLEX provides healthcare providers, pharmacies, and home users with a reliable, safe, and comfortable mercury-free thermometer for routine body temperature measurement across all age groups and measurement routes.

Technical Specifications

Specification	Value
VM SKU	VM-THDFLEX
Type	Digital flexible tip thermometer
Temperature range	32–42°C
Out-of-range indication	L°C (<32°C) / H°C (>42°C)
Accuracy	±0.1°C
Display	LCD (3.5 digit)
Completion alarm	Audible beep (~60 seconds)
Probe	Soft flexible tip
Measurement routes	Oral, axillary (armpit), rectal
Waterproof	Yes
Mercury	None — mercury-free
Battery	AG3 1.5V button cell
Dimensions	180 × 47 × 15mm
Weight	40g
Certifications	CE, ISO, FDA

SKU: VM-THDFLEX