



The Hi-Care FT-100D Infrared Forehead Thermometer (VM-THIRF / FT-100D) is a 3-in-1 non-contact thermometer with a tricolor illuminated display — green for normal, orange for low-grade fever, red for high fever — delivering a body temperature reading in under 1 second at a measuring distance of 1-3cm. Body mode range is 32.0-42.9°C ($\pm 0.3^{\circ}\text{C}$); surface mode covers 0-60°C ($\pm 1^{\circ}\text{C}$); room mode

covers 0–40°C ($\pm 0.5^\circ\text{C}$). Features include 32-reading memory, °C/°F switching, auto power-off, and >4000-measurement battery life on 2 × AAA batteries. CE, TÜV, and ISO certified.

Tricolor Fever-Alert Display with Instant Non-Contact Measurement

The Hi-Care FT-100D Infrared Forehead Thermometer (VM-THIRF / FT-100D) delivers body temperature results in under 1 second without any skin contact, at a measuring distance of 1–3cm from the forehead. No probe covers are required, no patient discomfort is involved, and no cooperation is needed beyond proximity to the sensor — making it well-suited for rapid temperature screening across all age groups, from newborns to elderly patients. The tricolor illuminated LCD display provides an immediate, intuitive fever alert: green indicates a normal temperature, orange signals a low-grade fever, and red signals a high fever. This colour-coded feedback enables rapid visual triage in clinic waiting areas, schools, workplaces, and screening environments where multiple individuals must be assessed quickly, without the clinician or screener needing to interpret a numeric value in real time. The backlit display is readable in both bright and dim environments, and 32 measurements are stored in memory for retrospective review and trend tracking.

3-in-1 Measurement Modes — Body, Surface, and Room

The FT-100D offers three distinct measurement modes to suit different clinical and environmental assessment needs. Body mode measures forehead surface temperature and applies an internal algorithm to derive equivalent body temperature across a range of 32.0–42.9°C with $\pm 0.3^\circ\text{C}$ accuracy, validated for clinical body temperature measurement in the absence of forehead sweating or extreme environmental temperature differential. Surface mode measures object and surface temperatures from 0–60°C with $\pm 1^\circ\text{C}$ accuracy, useful for checking bottle or milk temperature, surface hygiene monitoring, and equipment surface temperature screening. Room mode measures ambient temperature from 0–40°C with $\pm 0.5^\circ\text{C}$ accuracy, supporting environmental temperature documentation in clinical facilities and cold chain compliance checks. A °C/°F unit switch accommodates clinical and personal preference across all modes.

Battery Life, Portability, and South African Clinical Applications

The VM-THIRF operates on 2 × AAA batteries (DC 3V) with a battery life exceeding 4000 measurement cycles, and auto power-off activates after 1 minute of inactivity. A selectable beeper, low voltage warning, and automatic self-test on power-on complete the operational features. At 158 × 45 × 35mm and 65g, the FT-100D is compact enough for clinic coat pockets during ward rounds and community health screening programmes. CE (0197), TÜV, and ISO certified, the FT-100D meets the quality and accuracy standards required for clinical thermometry use in South African healthcare settings. Available in South Africa from Vital Medical, the FT-100D provides clinics, schools, workplaces, and home users with fast, hygienic, non-contact forehead temperature measurement with built-in fever triage.

Technical Specifications

Specification	Value
Brand	Hi-Care
Model	FT-100D
VM SKU	VM-THIRF
Type	Non-contact infrared forehead thermometer
Body mode range	32.0–42.9°C (89.6–109.2°F)
Body mode accuracy	±0.3°C / ±0.5°F
Surface mode range	0–60.0°C (32.0–140.0°F)
Surface mode accuracy	±1°C
Room mode range	0–40.0°C (32.0–104.0°F)
Room mode accuracy	±0.5°C
Display resolution	0.1°C / 0.1°F
Display	Tricolor illuminated LCD (green / orange / red)
Measurement time	<1 second
Measuring distance	1–3cm
Memory	32 readings
Auto power-off	1 minute
Power	DC 3V (2 × AAA batteries)
Battery life	>4000 measurements
Dimensions	158 × 45 × 35mm
Weight	65g
Certifications	CE (0197), TÜV, ISO

SKU: VM-THIRF