



The DM-3000 Professional Digital Mercurial Blood Pressure Meter (VM-BPMDM3000) is a mercury-free desktop sphygmomanometer designed for professional clinical use, delivering clinical reference-standard blood pressure measurement via the auscultatory (Korotkoff) method. Purpose-built to replace traditional mercury column devices in consulting rooms, hospital wards, and occupational health settings — without compromising measurement accuracy or requiring clinicians to change their measurement technique. CE certified.

Mercury-Free, Clinical Reference-Standard Accuracy

The DM-3000 is a professional-grade desktop digital blood pressure meter engineered specifically to replace mercury column sphygmomanometers in clinical and hospital environments. Mercury

sphygmomanometers have historically represented the reference standard for blood pressure measurement, but increasing environmental health regulations and occupational safety concerns surrounding elemental mercury exposure have made their phase-out a clinical and regulatory imperative in healthcare facilities worldwide. The DM-3000 addresses this transition directly — delivering digital blood pressure measurement at a clinical reference-standard accuracy equivalent to a mercury column reading, satisfying the requirements of professional diagnostic practice, clinical research, and occupational health assessments where measurement quality cannot be compromised. CE certified.

Auscultatory Measurement — Same Technique, No Mercury

The DM-3000 is a desktop unit that connects to a standard adult arm cuff for blood pressure measurement using the same auscultatory Korotkoff technique used with traditional mercury devices. Clinicians trained in manual auscultation can perform measurements in exactly the manner they are accustomed to — inflating the cuff, listening for Korotkoff sounds, and recording the reading — with the DM-3000 providing a precise digital readout in place of a mercury column. This eliminates the parallax reading error inherent in mercury column measurement and removes the need for mercury spillage procedures, mercury waste disposal, and the safety protocols associated with handling elemental mercury in a clinical environment. The desktop format positions the digital display at a stable, clearly visible height on the clinical surface, suited to fixed-station deployment in consulting rooms, outpatient examination areas, and ward measurement stations.

Mercury Phase-Out Compliance for South African Health Facilities

South African healthcare facilities are under increasing pressure to phase out mercury-containing medical devices under domestic environmental health requirements and South Africa's obligations under international mercury reduction frameworks. The DM-3000 provides a clinically validated, compliant pathway for facilities to replace existing mercury sphygmomanometers without sacrificing measurement quality or requiring retraining of clinical staff. Available in South Africa from Vital Medical, the DM-3000 is supplied to hospitals, clinics, and occupational health services as a direct, reliable mercury-free replacement for legacy mercurial blood pressure equipment.

TECHNICAL SPECIFICATIONS TABLE

Specification	Detail
Model	DM-3000
SKU	VM-BPMDM3000
Type	Professional desktop digital blood pressure meter
Design	Mercury-free mercurial equivalent
Measurement Method	Auscultatory (Korotkoff method)
Format	Desktop / clinical desk unit
Display	Digital readout
Cuff	Standard adult arm cuff (included)
Applications	Consulting rooms, hospital wards, occupational health
Certification	CE

SKU: VM-BPMDM3000