



The Hi-Care RGT-200 Sliding Weight Medical Scale (VM-SCASWHC) is a mechanical beam balance scale with a 200kg capacity at 100g graduation and an integrated height rod measuring up to 1900mm at 5mm divisions. Requiring no batteries or mains power, it provides precise, reliable weight and height measurement for hospitals, clinics, schools, occupational health settings, and sports departments.

Mechanical Precision Without Power Dependency

The Hi-Care RGT-200 is a sliding weight physician's scale — the traditional beam balance design long established as the clinical standard for accurate patient weight measurement. Unlike digital scales, the RGT-200 operates entirely mechanically, with no requirement for batteries or mains power. This makes it immune to electronic failure, power interruptions, and battery depletion, and reduces the total cost of ownership over its operational life. The sliding weight mechanism works by manually positioning two counterbalanced weights along a calibrated dual-beam until equilibrium is achieved, delivering a direct mechanical reading that is inherently accurate and repeatable. The scale is CE certified, confirming it meets the applicable European standards for medical weighing instruments.

Weight and Height Measurement

The RGT-200 measures patient weight up to 200kg at 100g increments, providing the resolution required for routine adult anthropometric assessment across a broad patient weight range. An integrated height rod extends to 1900mm and is graduated in 5mm divisions, enabling weight and height to be recorded in a single patient contact without requiring a separate stadiometer. The platform measures 405 × 280mm, providing a stable, appropriately sized standing surface for adult patients. The combined weight-and-height capability makes the RGT-200 a practical, space-efficient choice for consulting rooms, outpatient departments, occupational health suites, and school health services.

Construction and Applications

The RGT-200 is suited to any clinical or institutional setting where dependable anthropometric measurement is required as part of routine patient assessment, pre-employment medicals, sports screening, or growth monitoring. Its mechanical construction offers a long service life with minimal maintenance requirements — no calibration drift caused by battery depletion, no display failure, and no software dependencies. Available in South Africa from Vital Medical.

TECHNICAL SPECIFICATIONS TABLE

Specification	Detail
Brand	Hi-Care
Model	RGT-200
SKU	VM-SCASWHC
Type	Mechanical sliding weight beam balance scale
Maximum Capacity	200kg
Graduation	100g
Height Measurement Range	Up to 1900mm
Height Graduation	5mm
Platform Dimensions	405 × 280mm
Power Required	None (fully mechanical)
Certification	CE

SKU: VM-SCASWHC