



The Charder U310 Body Composition Analyzer (VM-SCA310) is a portable, lightweight segmental body composition analyzer using Bioelectrical Impedance Analysis (BIA) across 10 impedance measurement points, applying 2 frequencies (5kHz and 50kHz) across 5 body segments: right arm, left arm, trunk, right leg and left leg. It has an 8-point tactile electrode system, comprising four foot electrodes on the platform and four hand electrodes on a retractable cord suited to users from age 6 through tall adults, and it completes a full-body segmental scan in approximately 25 seconds with results shown on an LCD screen. It weighs 2.2kg and is supplied with a carry bag for portable clinical, fitness, rehabilitation and community health use. Available in South Africa from Vital Medical.

Portable Segmental Body Composition Assessment

The Charder U310 (VM-SCA310) delivers professional-grade segmental body composition assessment in a portable, lightweight device, making comprehensive body composition measurement accessible in clinical nutrition, fitness, rehabilitation and community health settings

where a fixed station analyzer is impractical. At 2.2kg with an included carry bag, the U310 can be taken to any location where a client or patient needs to be assessed.

Segmental BIA Technology and 8-Point Tactile Electrode Design

The U310 uses Bioelectrical Impedance Analysis (BIA) across 10 impedance measurement points, applying 2 frequencies, 5kHz and 50kHz, across 5 body segments: right arm, left arm, trunk, right leg and left leg. This segmental approach provides granular body composition data for each limb and the trunk independently, enabling the detection of muscle or fat imbalances between body segments that whole-body BIA cannot reveal. The 8-point tactile electrode system, with four foot electrodes on the platform and four hand electrodes on the retractable cord, ensures consistent electrode contact with both the hands and feet simultaneously during measurement. The retractable cord accommodates users of different heights and body proportions, from children aged 6 to tall adults.

Rapid Scan Time and Availability in South Africa

A complete full-body segmental scan completes in approximately 25 seconds, with progress displayed clearly on the LCD screen throughout, supporting high-throughput clinical and fitness screening workflows without patient discomfort or prolonged standing. The U310 delivers results across five measurement categories, including body composition (total body water, bone mass, weight). Available in South Africa from Vital Medical, the U310 suits South African clinical nutrition practices, fitness facilities, rehabilitation centres and community health programmes needing portable, professional-grade body composition assessment. Facilities can request a free quote through the Vital Medical website and receive a personalised response within 24 hours.

TECHNICAL SPECIFICATIONS TABLE

Specification		Detail
Brand	Charder	

Specification	Detail
SKU	VM-SCA310
Model	U310
Type	Segmental body composition analyzer
Technology	Bioelectrical Impedance Analysis (BIA)
Impedance Measurement Points	10
Frequencies	5kHz and 50kHz
Body Segments Measured	Right arm, left arm, trunk, right leg, left leg
Electrode System	8-point tactile (4 foot electrodes, 4 hand electrodes on retractable cord)
User Age Range	From age 6 to adult
Scan Time	Approx. 25 seconds
Display	LCD (scan progress)
Result Categories	5, including body composition (total body water, bone mass, weight)
Weight	2.2kg
Accessories	Carry bag included

SKU: VM-SCA310