

Rangemaster Portable Hardness Tester



A great portable tester converts to a number of different scales.

Rangemaster has the advantage of redesigned mechanics and improved microprocessor control technology for high accuracy and repeatability. One instrument includes British, American and German standards with hardness values in Vickers, Brinell, Rockwells B and C, and tensile strength. Based on principles of portable testers, a mechanical load of 15kg is applied in 2 stages to a diamond indenter through special preloaded springs. Indenter penetrates test surface to a maximum depth of only .005", reducing damage to an absolute minimum yet giving consistently accurate results.

Large digital readout. Hardness values displayed in all major international scales. RS-232C output for connection to SPC equipment or serial printer for data collection and treatment of results either as an ongoing process or at the end of a batch of readings. Storage capacity for over 400 readings. Download to serial printer for comprehensive test reports. Value above or below tolerance indicators. Last reading recall facility. Battery or mains power.

Price includes calibrated test block, indenter key, wood case and instruction book.

The Rangemaster includes five international hardness scales as standard.

Hardness Scales	Testing Range	Resolution
Vickers Pyramid#	35 - 1000	1
Brinell	100 - 500	1
Rockwell B	30 - 100	0.1
Rockwell C	20 - 70	0.1
Tensile Strength	255 - 1999N/mm ²	1

Part Number	Description
54-760-000	RangeMaster with Rockwell B, C; Vickers, Brinell and tensile strength
53-760-020	Optional Bench Stand.
53-760-025	Optional Magnetic Holder.

