



ELECTRONIC UNIVERSAL HARDNESS TESTER RoboUniver – 187.5

STANDARD

ISO 6508, ASTM E18, JIS Z2245, GB/T230

Universal hardness tester RoboUniver-187.5 is high precision, easy operation, high sensitivity metal hardness tester used for testing of Vickers, Brinell and Rockwell hardness. This tester is widely used in laboratories, university, research and factory workshops.



15x eyepiece



FEATURES

- RoboUniver-187.5 equipped with seven testing-force and five indenter, universal to measure a lot of material.
- SHR-187.5 dwell time from 1 to 60S can be setup by the “time key” on the panel, it is much convenient than the setup on the manual hardness tester.
- SHR-187.5 force knob adopts the metal material to replace the plastic, it improves the instrument using-life greatly.
- SHR-187.5 loading, dwell and unloading is driven by electronic motor automatically, doesn't need the operator to handle it, it eliminates the human operating error maximum.

TECHNICAL SPECIFICATION

Product Name	Electronic Universal Hardness Tester
Model	RoboUniver-187.5
Rockwell Scales	HRA, HRB, HRC
Rockwell Testing Force	60Kgf(588.4N)、100Kgf(980.7N)、150Kgf(1471N)
Brinell Scales	HBW1/30、HBW2.5/62.5、HBW10/100、HBW2.5/187.5
Brinell Testing Force	31.25Kgf(306.5N)、62.5Kgf(612.9N)、187.5Kgf(1839N)
Vickers Scales	HV 30、HV100
Vickers Testing Force	30Kgf(294.2N)、100Kgf(980.7N)
Rockwell Hardness	Analogue Display
Rockwell Resolution	0.5HR
Loading Control	Electronic
Magnification of	Brinell:37.5x; Vickers:75x
Dwell Time	Adjustable 2~60s
Max. Height Of Specimen	Rockwell:170mm; Brinell, Vickers:140mm

Instrument Throat	165mm
Dimension(LxWxH)	520 x215 x700mm
Packing Dimension	630 x440 x960mm
Power supply	AC 220V/50Hz;AC110V/60Hz
Gross/Net Weight	120Kg/90Kg

SCOPE OF SUPPLY

RoboUniver-187.5 Unit	Vickers Indenter
Hardness Block (57-70)HRC	Ø 150mm Flat Anvil
Hardness Block (20-33)HRC	Ø 60mm Flat Anvil
Hardness Block (85-100)HRB	Ø 40mm V-shape Anvil
Vickers Hardness Block HV 30	15x analogue Eyepiece
HBW2.5/187.5 Hardness Block	2.5x Brinell Objective
Ø1.588mm Rockwell Ball Indenter	5x Vickers Objective
Ø2.5mm Brinell Ball Indenter	Power Cable
Ø5mm Brinell Ball Indenter	Accessories Box
Rockwell Cone Diamond Indenter	Instrument Manual



Ø 55mm flat and v-shape anvil



Ball Indenter



Test Block