

Automatic Combined Rockwell Hardness Tester

Closed-Loop

Load Cell

Automatic

Motorized
Z-Axis



Features:

- The test force is applied via a closed-loop control unit with a load cell, a DC motor and an electronic measurement and control unit replace traditional dead weights. The result is highly accurate measurements at all test loads up to 0.5%.
- Simple plug - and - play tech allows for much more quick and easy installation than traditional weights type machine.
- Automatic One key starting. Automatic main-load and testing cycle.
- Extended dolphin nose allows vertical test height of 300mm and throat depth of 220mm.
- Integrated casting body with wider basement leads to permanent stability.
- RS232 and USB port to PC.

Basic Functions:

- Combined tester--Regular Rockwell & Rockwell Superficial hardness for metal and plastic material.
- Horizontal dolphin nose Indenter is suitable also for internal and external testing.
- Testing on Surfaces difficult to reach. Testing internal surface of rings and tubes.
- Provided with many features such as high measuring precision, wide measuring range with 30 Rockwell scales.
- The tester is suitable for testing of carbon steel, alloy steel, cast iron, non ferrous metal.
- Automatic testing cycle: Lifting of part, pre-loading, loading, dwell, unloading, results will be finished automatically.
- Measuring results digitally displaying and can be printed, or transmitted to external computer automatically by USB port.
- Test HR value can be converted to the value of HB, HV, HK and σ_b value.



TruForce

Automatic Combined Rockwell Hardness Tester | TF-SHR145AN

Specifications:

Description	Automatic Combined Rockwell Hardness Tester
Model	TruForce TF-SHR145AN
Code#	811-328
Preload	29.4N (3kgf) , 98.1N (10kgf)
Total test force	147.1N(15kgf), 294.3N(30kgf), 441.3N(45kgf), 588.4N (60kgf), 980.7N (100kgf), 1471N (150kgf)
Scales	HR15N, HR30N, HR45N, HR15T, HR30T, HR45T, HR15W, HR30W, HR45W, HR15X, HR30X, HR45X, HR15Y, HR30Y, HR45Y, HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRH, HRK, HRL, HRM, HRP, HRR, HRS, HRV
Load dwell duration	2~50s, can be set and stored
Resolution	0.1HR
Display	High definition backlight LCD
Data statistics	Avg., Max., Min., S, R
Memory	Max 400 items of test results stored automatically
Testing Capacity	300mm (vertical), 220mm (horizontal)
Dimensions	690mm×280mm×860mm
Power supply	AC, 240V/110V, 50~60Hz, 4A
Net weight	86Kg
Gross weight	115Kg

Standard Delivery

Description	Code #	Description	Code #
Instrument	811-328	Ø1.588mm Ball Intender	811-418
Hardness BlockHRA	811-618A	Cone Diamond Intender	811-408
Hardness BlockHRB	811-628B	Flat Anvil	811-528
Hardness BlockHRC	811-638C	Ø40mm V-shape Anvil	811-518
Hardness BlockHR15N	811-668N	Power Cord	811-808
Hardness BlockHR30N	811-678N	Toolbox	811-908
Hardness BlockHR15T	811-668T	Dust Cover	811-918
Hardness BlockHR30T	811-678T	Screwdriver	811-958
Warranty Card /Qualified Certificate		Operation Manual /Packing List	