

Digital Combined Rockwell Hardness Tester



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.
- Manual handle wheel pre-load. 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

Digital Combined Rockwell Hardness Tester | TF-SHR145AN

Specifications:

| | |
|---------------------|---|
| Description | Digital Combined Rockwell Hardness Tester |
| Model | TruForce TF-SHR145N |
| Code# | 811-318 |
| 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 | 811-128 | Ø1.588mm Ball Intender | 811-411 |
| Hardness BlockHRA | 811-611A | Cone Diamond Intender | 811-401 |
| Hardness BlockHRB | 811-621B | Flat Anvil | 811-521 |
| Hardness BlockHRC | 811-631C | Ø40mm V-shape Anvil | 811-511 |
| Hardness BlockHR15N | 811-661N | Power Cord | 811-801 |
| Hardness BlockHR30N | 811-671N | Toolbox | 811-901 |
| Hardness BlockHR15T | 811-661T | Dust Cover | 811-911 |
| Hardness BlockHR30T | 811-671T | Screwdriver | 811-951 |
| Warranty Card /Qualified Certificate | | Operation Manual /Packing List | |