



VERTEX

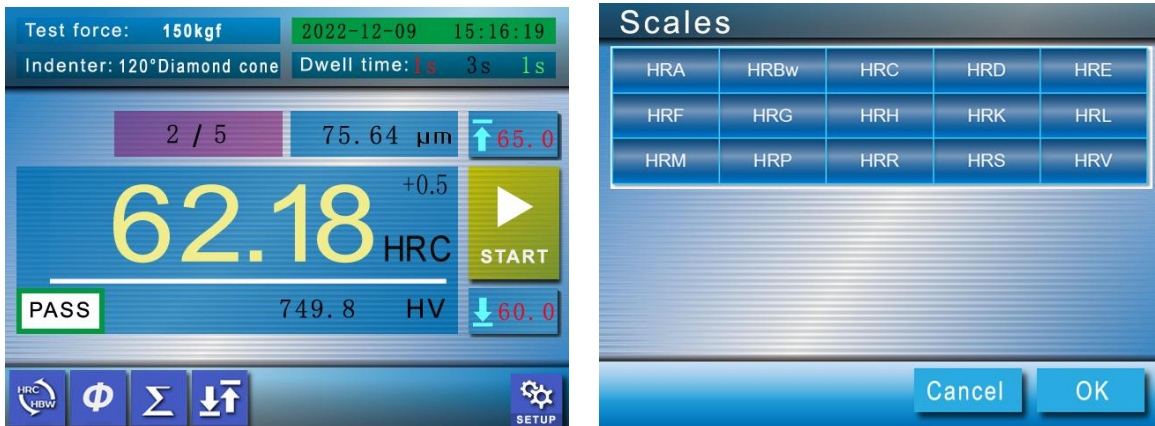
ROCKWELL HARDNESS TESTER Model: DNR-150



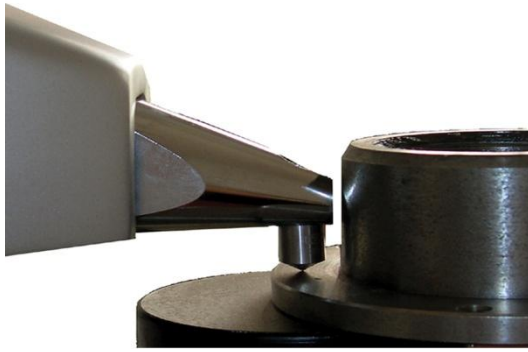
FEATURES:

- 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.
- The test force are 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.
- Integrated casting body with more wide basement leads to permanent stability.
- RS232 and USB port to PC.

BASIC FUNCTIONS:



- Regular Rockwell hardness tester for metal and plastic material.
- Horizontal protrudent Indenter Design, 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 15 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 convert to the value of HB, HV, HK and σ_b value.
- The tester meets all the following standard such as ISO 6508-2, ASTM E18.



SPECIFICATION:

| Parameters | |
|------------------------------|---|
| Preload | 98.1N (10kgf) |
| Total test force | 588.4N (60kgf), 980.7N (100kgf), 1471N (150kgf) |
| Scales | HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRH, HRK, HRL, HRM, HRP, HRR, HRS, HRV |
| Resolution | 0.01HR |
| Load dwell duration | 2~50s, can be set and stored |
| Panel | Touch screen |
| Auxiliary function 1 | Upper/lower limits setting & alarming |
| Auxiliary function 2 | Data statistics: Avg., Max., Min., S, R |
| Auxiliary function 3 | Curved surface auto correction |
| Auxiliary function 4 | Scale conversion, HV, HBW, HK, σ_b etc. |
| Test Height (vertical) | 300 mm |
| Depth of throat (horizontal) | 220 mm |
| Dimensions | 690mm×280mm×860mm |
| Power supply | AC, 220V/110V, 50~60Hz, 4A |
| Net weight | 95 kg |
| Gross weight | 125kg |

| Standard configuration | | |
|------------------------|-------------------------------------|---|
| 1 | Host machine | 1 |
| 2 | Standard hardness block for A scale | 1 |
| 3 | Standard hardness block for B scale | 1 |
| 4 | Standard hardness block for C scale | 3 |
| 5 | ball indenter (1/16") | 1 |
| 6 | 120°cone diamond indenter | 1 |
| 7 | Mounting screws for indenter | 2 |
| 8 | Flat anvil | 1 |
| 9 | "V" shape anvil | 1 |
| 10 | Power supply wire | 1 |
| 11 | Screwdriver for indenter mounting | 1 |
| 12 | Dust cover | 1 |



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Actual product may differ in color and appearance due to constant development.