

Rockwell and Superficial Hardness Tester

Model: KHT900-M



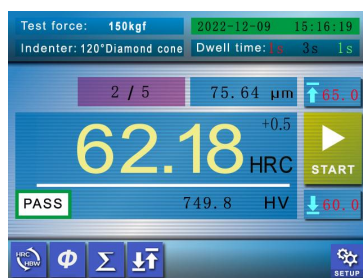
New features:

- 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.
- 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 more wide basement leads to permanent stability.**
- RS232 and USB port to PC.

Basic functions:

- **Twin 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.**
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- 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.
- The tester meets all the following standard such as ISO 6508-2, ASTM E18.



Parameters:

- 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 : 0.01HR
- Panel: Touch screen
- Upper/lower limits setting & alarming
- Data statistics: Avg., Max., Min., S, R
- Curved surface auto correction
- Memory: Max 2000 items of test results stored automatically
- Testing Capacity: 300mm (vertical), 220mm (horizontal)
- Dimensions: 690mm×280mm×860mm
- Power supply: AC, 220V/110V, 50~60Hz, 4A
- Net weight: 86 kg
- Gross weight:120kg



Standard configuration

Host machine	1
Standard hardness block for A scale	1
Standard hardness block for B scale	1
Standard hardness block for C scale	3
Standard hardness block for 30N scale	1
Standard hardness block for 30T scale	1
ball indenter (1/16")	1
120° cone diamond indenter	1
Mounting screws for indenter	2
Flat anvil	1
"V" shape anvil	1
Power supply wire	1
Screwdriver for indenter mounting	1
Dust cover	1
