

Rockwell Hardness Tester

Model: KHT800-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 instead of 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.
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- 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.

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
 - Load dwell duration: 2~50s, can be set and stored
 - Resolution : 0.1HR
 - Display: High definition backlight LCD
 - Operation: Menu selectable, Membrane keypad
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- Upper/lower limits setting & alarming
- Data statistics: Avg., Max., Min., S, R available
- Curved surface correcting automatically
- Memory: Max 400 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: 85kg
- 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
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
