

ROCKWELL HARDNESS TESTER Series 660RLD R/S/T™

Rockwell regular, superficial and twin version closed loop hardness testers

The revolutionary Series 660 Rockwell testers offer the state-of-the art solution for flexible and very accurate Rockwell hardness scale testing, both for quality assurance or metallurgical research. The twin version model 660RLD/T features all Rockwell scales from superficial to regular, to accommodate all typical Rockwell test scale requirements and applications. A user friendly menu provides quick set up of a test and offers special features such as GO/NG judgement and cylindrical correction. The accuracy of our Series 660 easily meets the requirements of EN-ISO 6508, ASTM E-18 and JIS standards. All testers come with full WOLPERT test certificate and a package of standard accessories.

- Easy WOLPERT+ menu for safe & sound operation
- Backlit LCD screen with many functions such as Prompts to select load, indenter and scale; GO/NG judgement; display of hardness value; all test settings; statistical evaluation of the test results
- Extremely simple test cycle without overshoot thanks to the closed loop system and the precise mechanical drive mechanism
- Direct settings by membrane keyboard or external keyboard for extensive free program
- Fast travel of the test head, with built-in load protection.
- Twin model tests all Rockwell regular and superficial scales
- Fast and accurate force application by closed loop control
- Flexible fiber optic light source
- Built-in thermal printer and data output RS232
- Low maintenance with efficient load cell auto-calibration

TECHNICAL SPECIFICATIONS

Models	660RLD/R (regular), 660RLD/S (superficial) and 660RLD/T (Twin)
Rockwell scales	660RLD/R: A, B, C, D, E, F, G, H, K, L, M, P, R, S, V 660RLD/S : N, T, X, Y 660RLD/T : A, B, C, D, E, F, G, H, K, L, M, N, P, R, S, T, V, X, Y
Display conversion	to HV, HB, HR scales acc. to DIN or ASTM
Hardness resolution	0.1/0.01 of a Rockwell unit (selectable)
Test loads	660RLD: 60, 100, 150kgf (10kgf preload) 660RLD/S : 15, 30, 45kgf (3kgf preload) 660RLD/T : 15, 30, 45, 60, 100, 150kgf (3kgf and 10kgf preload)
LCD Display	Hardness value, Rockwell scale, Test force indicator, Dwell time, Limits with judgment GO/NG, Number of tests, Average, Standard deviation, Range R, Histogram
Correction	Convex and concave cylindrical surface correction
Data entry	Membrane keypad or optional external Wolpert Keyboard
Test force application	Servo mechanism + precision drive
Test load control	Closed-loop control system
Dwell time	2-99 sec, according to requirement
Data output	Built-in printer and RS232C
Accuracy	Conform EN-ISO 6508, ASTM E-18 and JIS
Specimen accommodation	Vertical space 220mm (8.6") Horizontal space (from centre-line) 190mm (7.5")
Max. travelling range of indenter	Vertical range 110mm (4.3")
Max. travelling speed	15mm/min
Power supply	220/240V 50Hz
Machine dimensions	325mm x 535mm x 970mm (w x d x h)
Net weight	95kg

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Highest Depth Measurement Accuracy for Precise Results

Rockwell hardness numbers are the result of measuring the depth of indentation into the material. Therefore, the accuracy and resolution of this measurement is critical in obtaining good results.

The 660 series uses optical linear measurement technology to achieve the highest level of depth measurement accuracy and resolution available. There are no mechanical linkages or sources of friction between this measuring device and the tested part. This is a major improvement over conventional dead-weight hardness testers.

Accessories

Check with your WOLPERT agent for specified packages included with the hardness tester as standard delivery.

Check latest accessories update on: www.wolpertgroup.com

- Rockwell diamond indenter
- Rockwell ball indenters and spare balls
- Flat testing table 63mm
- Flat testing table 150mm
- V-anvil
- Spot anvil 10mm diameter
- Cylindrical anvil
- Eyeball anvil
- Goose neck anvils
- Diamond spot anvil
- Vari-rest support for long bars
- Four adjustable feet
- Spindle protection cover
- Dust cover
- Accessories suitcase
- Floor stand cabinet
- Rockwell hardness reference blocks



Integrated thermal printer

