

PREMIUM CLOSED LOOP ROCKWELL TYPE HARDNESS TESTER EW-6000 SERIES™

High accuracy and repeatability through closed loop and load cell combined system, 4 models available

- Measures at choice Standard, Superficial or combined Rockwell hardness values
- Superior GR & R results!
- Simultaneous conversion to HV, HB and other HR scales
- Rugged fine casted frame allowing large dimension work pieces
- ASTM, ISO, JIS and other global standards compliant
- Unique closed loop and load cell combined system, guaranteeing that pre- and main load are applied with absolute accuracy, no variety between testers and independence of the operator skills
- Superior depth measuring system through high precision Heidenhain (Germany) glass scale
- No elevating screw, simplifies test operation and enhances accuracy
- Storage of 50 test programs and tester settings, allowing you to set up your tester in just seconds
- Alpha numerical data entry
- Continuous automatic "online" statistics, incl. average of readings etc.
- Storage of 20,000 single hardness values
- Go / No Go mode
- Convex and concave measuring mode
- Calibration date expired (reminder)
- Service mode including tests counter, maintenance system
- Prints statistics to built-in printer or external printer
- Connects with PC or SPC network via built-in bi-directional RS232C connector

The EW-6000 series model offer standard a fully automatic system with the advantage of a fixed measuring table.
Also available as a MASTER Rockwell configuration for calibration of reference hardness test blocks.

Please ask for availability in your country.



Technical specifications

Rockwell scales	Standard Superficial	A, B, C, D, E, F, G, H, K, L, M, P, R, V 15N, 30N, 45N, 15T, 30T, 45T, 15W, 30W, 45W, 15X, 30X, 45X, 15Y, 30Y, 45Y
Conversion to	HV, HB, other HR scales	
Hardness resolution	0.1 & 0.01 of a Rockwell unit	
Pre-load	3kgf / 10kgf	
Main loads	15, 30, 45, 60, 100, 150kg through controlled closed loop system	
Pre-load application	Fully automatic	
Test load application	Fully automatic	
Data output	Built-in high speed printer & RS 232C	
LCD Display	Hardness value, conversion value, test force indicator, dwell time, memory contents, all machine settings, go / no go, all statistics, and many more	
Specimen accommodation	Vertical space 250mm Horizontal space (from centre of elevator shaft) 220mm	
Power supply	110/240V, 50 – 60Hz	
Machine dimensions	Approx. 940mm x 390mm x 670mm (HxWxD)	
Net weight	Approx. 120kg	
EW-6000 R™	Load cell / Closed loop Standard Rockwell	
EW-6000 SR™	Load cell / Closed loop Superficial Rockwell	
EW-6000 TR™	Load cell / Closed loop Standard & Superficial Rockwell	
EW-6000 ESEMASTER™	Load cell / Closed loop Standard & Superficial Rockwell MASTER Rockwell	

Standard delivery

- Main unit
- Built-in printer
- Data output RS-232C
- Diamond Rockwell indenter
- Rockwell ball indenter 1/16"
- Rockwell testing balls
- Flat testing anvil ø 60mm
- Flat anvil ø 150mm
- V-anvil 40mm
- Hardness test blocks:
±60 HRC, ±40 HRC, ±85 HRB
- Power cable
- Spare fuse
- Adjustable feet (4 Pcs)
- Spindle protection cover
- Machine cover
- Solid accessories case
- ESEWAY® certificate
- User and installation manual

Optional accessories

- Clamping and indenter protection nose
- UKAS, DKD, ASTM/NIST
Certified test blocks
- UKAS, DKD, ASTM/NIST
Indentors & balls
- Pedestal spot anvil
- Heavy load testing tables
- Special support systems for large work pieces
- Tester stand with cabinet