

ESEWAY 'ROCKMATIC' Rockwell / Brinell Hardness Tester EW-305 Series

The ESEWAY ROCKMATIC is a new generation of hardness testing machine. The tester's main body is a rugged casting which incorporates a load cell, closed loop force actuator that provides continuous force feedback information to the advanced electronics.



Features

- Load cell, force feedback, closed loop system
- Excellent accuracy
- Unmatched GR & R results in its class
- Loads 2.5kgf/24.5N up to 187.5kgf/1838N (depending on model)
- Fully automatic operation
- Meets or exceeds ISO, ASTM and JIS standards
- Shape correction settings for curved surfaces
- Go/No Go function with visual and acoustic warning
- Large memory for measurements with statistic results
- Easy calibration function
- Standard workpiece clamping attachment
- External Brinell microscope (RSB model)
- Large workpiece accommodation

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EW-305 RS Rockwell, Superficial Rockwell all scales test forces 3kgf/29.4N to 150kgf/1471N
EW-305 RSB Rockwell, Superficial Rockwell, Brinell all scales test forces 2.5kgf/24.5N to 187.5kgf/1838N (for Brinell)

TECHNICAL SPECIFICATION

ROCKWELL	A, B, C, D, E, F, G, H, K, L, M, P, R, S, V
SUPERFICIAL ROCKWELL	15N, 30N, 45N, 15T, 30T, 45T, 15W, 30W, 45W, 15X, 30X, 45X, 15Y, 30Y, 45Y
Brinell test load (RSB model)	2.5kgf/24.5N to 187.5kgf/1838N
Brinell test scales (RSB model)	HB1: 2.5kgf/24.5N, 5kgf/49N, 10kgf/98N, 30kgf/295N HB 2.5: 6.25kgf/61.29N, 15.625kgf/153.2N, 31.25kgf/306.45N, 62.5kgf/612N, 187.5kgf/1838N HB5: 25kgf/245.16N, 62.5kgf/612N, 125kgf/1225N HB10: 100kgf/980.7N
Display	6.5" full colour industrial touch screen, testing results, statistics.
Display overview	Conversion to Brinell, Vickers, Leeb, UTM. Convex, concave adjustment, machine settings, calibration
Standards	Meets or exceeds ISO, ASTM, JIS standards
Pre-load application	Manual
Test load application	Fully automatic
Dwell time	Main load 1-99 seconds
Connectivity	USB-2
Optical system RSB	Brinell microscope
Workpiece accommodation	Vertical capacity 250mm
Horizontal capacity	165mm (from indenter centre-line)
Operating temperature	10°C to 35°C, non-condensing
Machine dimensions	250mm x 505mm x 745mm (WxDxH)
Machine weight	82kg
Power supply	100V AC to 240V AC, 50Hz/60Hz, single phase

Standard Delivery

- V-anvil
- Flat anvil 60mm
- Brinell microscope (RSB)
- Power cable
- Four adjustable feet
- ESEWAY certificate
- Installation and user manual

Optional Accessories

- Certified indenters (UKAS)
- Factory reference hardness blocks
- Certified reference hardness blocks (UKAS)
- Custom testing tables
- V-blocks and special clamps
- Solid tester table and storage cabinet
- Rockwell C Indenter
- Rockwell B Indenter
- Brinell ball indenters
1mm, 2.5mm, 5mm, 10mm (RSB)
- Round testing table 150mm