



AQUASTYL®
SLOVAKIA, s.r.o.

DIGITAL HARDNESS TESTER
ROCKWELL RB-1E/AQ



PRODUCER: AQUASTYL SLOVAKIA, s. r. o.
Orlové 277
017 01 Považská Bystrica
Slovakia

Telefon: +421/42/432 99 01
Tel./fax: +421/42/432 61 06
e-mail: aquastyl@aquastyl.sk
web: www.aquastyl.sk

Digital hardness tester ROCKWELL RB - 1E/AQ

The hardness tester serves for testing hardness of metals with the Rockwell method - C, B, A, D, F (according to EN ISO 6508) and the Brinell method (according to EN ISO 6506) for a ball with diameter 2,5 mm.

The control electronics makes it possible:

- to determine the impression ball, main load and weight
- to determine the measuring time
- to set the date and time
- to make corrections in case of uneven surfaces
- to convert into other scales according to DIN 50 150
- to determine the impression depth and strength
- to transfer data to PC
- to print protocols on PC or serial printer
- to control the sensor adjustment

Rockwell Method

Unit	Impression ball	Load	Hardness range	Application
C HRC	Diamon cone 120°	1470 N	20 - 67 HRC	Measuring of hardened and high-quality steels
B HRBW	Ball ø 1/16"	980 N	30 - 100 HRBW	Measuring of steels with strength of 800 N/mm ²
A HRA	Diamon cone 120°	580 N	55 - 90 HRA	Measuring of hardness of extra hard thin layers

Brinell Method

Unit	Impression ball	Load	Hardness range	Application
HBW 2,5/31,25	ball ø 2,5 mm	306 N	do 450 HBW	lights metal alloys
HBW 2,5/62,5	ball ø 2,5 mm	612 N	do 450 HBW	non-ferrous metals and their alloys
HBW 2,5/187,5	ball ø 2,5 mm	1838 N	do 450 HBW	for steel and cast iron

Basic outfit:

- 1 pcs impression ball ROCKWELL
- 1 pcs ball holder ROCKWELL- B
- 1 pcs ball holder BRINELL
- 1 pcs ball with diameter 1/16"
- 1 pcs ball with diameter 2,5 mm
- 1 pcs round table with diameter 95 mm
- 1 pcs prism table
- 1 pcs hardness testing plates for HRC scale
- 1 pcs hardness testing plate for HRBW scale
- 1 pcs hardness testing plate for HRA scale

Technical data

Set height (mm)	690
Base l x w (mm)	450 x 180
Max. height of measured component (mm)	130
Weight (kg)	80



AQUASTYL®
SLOVAKIA, s.r.o.