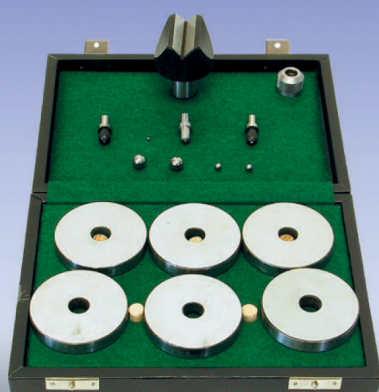




**AQUASTYL**®  
SLOVAKIA, s.r.o.

## DIGITAL HARDNESS TESTER ROCKWELL RB - 1/PC



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## DIGITAL HARDNESS TESTER ROCKWELL RB – 1/PC

The hardness tester serves for testing hardness of metals with the Rockwell method (according to EN ISO 6508) and partially the Brinell method (according to EN ISO 6506) for a ball with diameter  $\varnothing$  2,5 mm.

### The control electronics makes it possible:

- to determine the impression ball, main load and weight in relation to the chosen testing method
- to determine the measuring time
- to set the date and time
- to set the communication language
  - English
  - German
  - Slovak
  - Czech
- to make corrections in case of uneven surfaces
- to convert into other scales according to DIN 50 150
- to determine the impression depth and material strength
- to transfer data to PC
- to print protocols in chosen language
- to control the sensor adjustments
- statistical processing of results

### Rockwell Method

Unit	Impression ball	Load	Hardness range	Application
C HRC	Diamon cone 120°	1470 N	20 - 70 HRC	Measuring of hardened and high-quality steels
B HRBW	Ball $\varnothing$ 1/16"	980 N	30 - 100 HRBW	Measuring of steels with strength up to 800 N/mm <sup>2</sup>
A HRA	Diamon cone 120°	580 N	60-90 HRA	Measuring of hardness of extra hard thin layers

### Brinell Method

Unit	Impression ball	Load	Hardness range	Application
HBW 2,5/31,25	ball $\varnothing$ 2,5 mm	306 N	up to 450 HBW	Light metal alloys
HBW 2,5/62,5	ball $\varnothing$ 2,5 mm	612 N	up to 450 HBW	Non-ferrous metals and Their alloys
HBW 2,5/187,5	ball $\varnothing$ 2,5 mm	1838 N	up to 450 HBW	For steel and cast iron

### Technical data

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

