



AUTOMATIC HARDNESS TESTERS

An automatic Rockwell hardness tester with direct read out in Rockwell and Superficial Rockwell scales. Can test large and irregular specimen up to 420 mm in height (950 mm with special extended column). Overhanging pieces can be clamped without any extra support. The 50mm indenter's stroke allows the testing of difficult-to-test parts without any adjustment. Most suitable for in-line applications. ASTM E-18, ISO EN 6508.

Technical data

In this section you can find the technical data; for every further information, please feel free to contact us: we will help you find the ideal solution for your needs.

Working principle

- Rockwell, Superficial Rockwell

Preload

- 3kgf (29,4N) - 10kgf (98.1N)

Load application method

- automatic

Minimum measurable diameter

- 4mm with Superficial Rockwell test method
- 5mm with Rockwell test method

Objective lenses

Selectable functions

- scale - load time - min. measurable thickness- round correction factor - calibration language - date/time - tolerances - file manager -print out - statistics - conversion - tests archive - pwd - start test emergency - load selection R/SR

Output interfa

- USB Printer - data exportation on USB pen drive
- OPTIONAL:
RS232 - RS485 - Profibus - Ethernet
Bluetoothces



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Twin X

Working conditions

- 0°C-50°C

Weight

- 160kg

Notes

- Indenter's stroke 50 mm

Loads

- 15 - 15,6 - 30- 31,2 -45
60 - 62,5 - 100- 125- 150
187,5kgf (N 147 - 294 - 305 - 441 - 612 - 980
- 1225 - 1470 - 1837)

Load time

- can be selected via keyboard

Standard scales

- HRC - HRD - HRA (0-100) - HRG - HRB
HRF (0-130) - HB30 (0-600) - kg/mm² (0-500)
N/mm² (0-5000) - HB10 62.5 | 2.5 (0-300)
HB5 125 | 5 (0-300)

Reading

- on LCD color touchscreen display
800 x 480 pxll

Storage

- 400 files with 2500 tests each

Languages

- English, Italian, German, French, Spanish. Further languages on request (up to 9)

Power supply

- 100VAC - 240VAC self-setting

Working area dimensions

- Max measurable height:
420 mm / depth: 225 mm (extended columns on request: +300 mm or +500 mm for specimen up to 920 mm)

Norms and certifications

- Rockwell: ASTM E-18 - ISO6508

