

AUTOMATIC HARDNESS TESTERS

AT350 Motorized execution of the model AT250 with automatic force application and motorized test head downwards/upwards for testing parts of different thicknesses. The model AT350 hardness tester allows the testing of large parts and it is normally used in applications such as Jominy automated test processes. 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

- MOD DR: Rockwell
- MOD DSR: Superficial Rockwell

PRELOAD

- MOD DR: 10kgf (98.1N)
- MOD DSR: 3kgf

LANGUAGES

English German Italian French Spanish
- further languages on request

LOAD APPLICATION METHOD

- Automatic

MINIMUM MEASURABLE DIAMETER

- 4mm
(with optional 60° indenter and shroud - P/N Penetratore 048 + Gruppo 022)

STORAGE

- 400 files of 2500 tests each



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AT350

POWER SUPPLY

- 115 VAC or 230 VAC at option

WORKING AREA DIMENSIONS

- Max measurable height:
415 mm / depth: 210 mm
(extended columns on request: +300 mm or
+500 mm for specimen up to 920 mm)

NORMS AND CERTIFICATIONS

- ASTM E 18 ISO-EN 6508

LOADS

- MOD DR: 60kgf, 62.5kgf, 100kgf, 125kgf,
150kgf, 187,5kgf (N 588, 613, 981, 1226,
1471, 1839)
- MOD DSR: 10kgf, 15kgf, 15.625kgf, 30kgf,
31.25kgf, 45kgf (N 98, 147, 153, 294, 306,
441)

LOAD TIME

- Selectable by keyboard

STANDARD SCALES

- MOD DR: HRC, HRD, HRE, HRF, HRG, HRH, HRK,
Brinell HB30 plus other scales on request
- MOD DSR: HR15N, HR30N, HR45N, HR15T,
HR30T, HR45T, HR15W, HR30W, HR45W,
HR15X plus other scales on request

READING

- On touchscreen color display 800 x 480 px, 150 x
90 mm

SELECTABLE FUNCTIONS

- Hardness scale - load time - minimum thickness -
mm/inch - round correction - calibration - language -
date/time - tolerances - indenter - file - print - statistics
- icons - conversion - sequence - measures archive - pwd
- start test

OUTPUT INTERFACES

- USB Printer - export on USB pendrive
OPTIONAL RS232 - RS485 - Profibus - Ethernet
Bluetooth

WORKING CONDITIONS

- 0°C-50°C

WEIGHT

- Approx. 140 Kg.

NOTES

- A 20X ANTARES ERNST microscope is available on
request for reading Brinell indentations