



ATI B3000-2

Automatic Brinell hardness tester



ATI B3000-2



HARDNESS MEASURES IN YOUR LABORATORY

The ATI B3000-2 is a Brinell hardness tester that is fully compliant with ASTM E 10 and ISO 6506 standards, making it an ideal solution for accurate and reliable hardness testing. This hardness tester is built to withstand harsh conditions and is unaffected by external vibration sources, ensuring accurate results even in harsh environments. It works with high-precision load cells and integrates advanced closed-loop intelligent software, offering a fast 1 millisecond response time for fast and precise measurements.

AUTOMATIC TEST CYCLE

The ATI B3000-2 hardness tester is extremely easy to use: just choose the correct hardness scale, bring the sample to the test area and press the START button. The measurement cycle starts automatically. The operator will have to type the measured indentation value on the keyboard and the software will calculate the corresponding hardness value and show it on the display.

STANDARD ACCESSORIES

- Ball indenter carbide Ø 10 – 5 – 2,5 mm with traceable certificate
- HBW 10/3000 test blocks with traceable certificate
- Flat anvil Ø 60 mm
- Flat anvil Ø 200 mm
- V face anvil Ø 60 mm
- Dust cover
- User manual
- CE certificate
- Warranty certificate 12 months
- Calibration Certificate ISO 17025 ILAC MRA



Portable Microscope
20x div. 0.01mm

TECHNICAL DATA

Model:	ATI B3000-2
Brinell hardness scale:	HBW 2.5/62.5 - HBW 2.5/187.5 - HBW 5/62.5 - HBW 5/250 - HBW 5/750 - HBW 10/100 - HBW 10/500 - HBW 10/1500 - HBW 10/3000
Load forces (Kgf):	62.5 Kgf (612.9N), 100 Kgf (980.7N), 125 Kgf (1226N), 187.5 Kgf (1839N), 250 Kgf (2452N), 500 Kgf (4903N), 750 Kgf (4905n), 1000 Kgf (7905n), 1500 Kgf (14710N), 3000 Kgf (29420N)
Loading system:	Electronic control of load cells in "Closed-Loop"
Compliance standards:	ISO 6506, ASTM E10 and equivalents
Accuracy of test force:	62.5 - 3000 Kgf $\leq 1\%$ 500 - 3000 Kgf $\leq 0.5\%$
Risoluzione dell'unità di misurazione:	0.1 μm
Hardness resolution:	0.1 HBW
Dwell time:	From 0 to 99 seconds
Hardness accuracy:	$\pm 0.5\%$
Height capacity:	290 mm
Depth capacity:	210 mm
Measuring range:	15.9-650 HBW (ASTM E10 (Recommended effective hardness value)
Camera resolution:	1,2 MPixel
Measurement methods:	Manual and automatic
Data output:	USB
Data storage:	The measured values are stored in EXCEL format on a USB flash disk
Display:	Multicolor LCD touch-screen 9"
Language:	English
Power supply:	110/220 V - 50/60 Hz single phase
Dimensionions:	475 x 200 x 700 mm
Weight:	80 kg

The manufacturer reserves the right to make changes aimed at improving the products without prior notice.
Images for illustrative purposes only. Colors and product details may vary.



ASSISTANCE AND CALIBRATION SERVICE

ATI AFFRI TESTING INSTRUMENTS offers real-time technical support, with remote diagnosis for technical and software issues. We provide remote software updates to ensure our products are always up to date. We are accredited for calibration and certification service with ANAB ILAC-MRA / ISO 17025 certifications, equivalent to A2LA accreditation. Our scope of accreditation includes calibration of ATI and many other brands, for instruments such as Rockwell, Brinell, Vickers, Knoop, Shore hardness, tensile testing machines, compression testing machines, and much more. Contact us for a quote, regardless of the brand of equipment.

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 Europe/Asia:
AFFRI S.r.l.
AFFRI TESTING INSTRUMENTS S.r.l.
Via M. Tagliaferro, 8, I-21056 INDUNO OLONA (VA) - ITALY
Phone: +39 0332 201533
info@affri.com - www.affri.com

 America:
AFFRI Inc.
850 Dillon Dr. Wood Dale, IL 60191
Phone: +1 224 374 0931 / +1 630 303 1588
sales@affriusa.com - www.affri.com