



ATI BR

Brinell and Vickers automatic digital indentation reader
compliant with ISO 6506, ISO 6507, ASTM E10-23 and
ASTM E92 standards



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Automatic digital microscope for Brinell and Vickers indentations reading compliant with IISO 6506 , ISO 6507 , ASTM E10-23 and ASTM E92 standards



DIGITAL MICROSCOPE FOR AUTOMATIC READING

ATI BR is a portable and compact digital microscope, pocket-sized and easy to use. It comes with a tablet with the software for measuring the Brinell and Vickers indentations. The measurement is automatic and includes automatic adjustment of brightness and contrast. Precision and repeatability greater than 1%. It can be installed on a Windows PC and data can be exported to JPG, BMP, PDF, Excel, TXT and CSV. ATI BR creates statistics and reports that can be printed via an internet connection. ATI BR is equipped with a 2.5 MP UHD camera.

SOFTWARE

The ATI BR software controls the microscope so that reading is completely automatic. The simple and intuitive interface and the touchscreen ensure functional use. This makes it ideal for production environments where fast and efficient use is required. The software is equipped with a quick test selection function, which allows you to choose the type of measurement you want and adjust the reading settings precisely. In addition, the system provides the ability to view detailed statistics and graphs in real time, allowing immediate analysis of the results and facilitating continuous quality monitoring. Test sessions can be easily stored and recalled later, ensuring excellent data management and the ability to compare results over time. The software manages the reading of the impression completely automatically, adjusting the brightness and contrast to always obtain optimal readings, regardless of environmental conditions. The results provided are extremely precise, even on rough, dirty or non-perfectly uniform surfaces, thanks to the sophisticated recognition technology that allows you to identify and ignore foreign elements present on the surface of the sample. This process of automatically eliminating impurities during reading ensures that measurements are not affected by any surface irregularities, thus ensuring unmatched accuracy, even in difficult conditions. ATI BR software, therefore, not only optimizes efficiency, but also increases the quality and precision of measurements, making every operation faster and more reliable.

BRINELL HBW

HBW 2.5/15.62	HBW 2.5/31.25	HBW 2.5/15.6	HBW 2.5/187.5
HBW 5/25	HBW 5/62.5	HBW 5/125	HBW 5/250
HBW 5/750	HBW 10/100	HBW 10/250	HBW 10/500
HBW 10/1000	HBW 10/1500	HBW 10/3000	

VICKERS HV

HV3	HV5	HV10	HV20	HV30	HV50	HV100
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AVAILABLE PROBES

Sonda A:	20X objective and automatic reading of Brinell Ø 5/10 indentations
Sonda B:	40X objective and automatic reading of Brinell Ø 5/10 and Vickers indentations

TECHNICAL DATA

Packaging dimensions:	400×300×200 mm
Weight:	2 Kg



ACCURATE AND EASY-TO-USE

Brinell and Vickers hardness measurements directly on the production line, without any need to move. Measurements on parts of any shape and size, without limits. ATI BR is the solution for those looking for a comfortable and lightweight instrument that guarantees maximum precision, reliability and repeatability. Its extremely simple use makes ATI BR suitable for operators of any level of preparation: just select the hardness scale, position ATI BR on the surface and identify the indentation through the tablet. Once the indentation to be read has been identified, ATI BR provides the reading result on the display in 3 seconds.



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. 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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