

Celestis Bison Vision - Brinell Hardness Tester with CCD Measurement Analysis System

TECHNICAL SPECIFICATIONS

Measurement range 8 HBW ~ 650 HBW

Applied forces 62,5kgf (612,9N); 100kgf (980,7N);
125kgf (1226N); 187,5kgf (1839N);
250kgf (2452N); 500kgf (4903N);
750kgf (7355N); 1000kgf (9807N);
1500kgf (14710N); 3000kgf (29420N)

Dwelling time 5-60 sec

Measurement sequence automatic

Data output RS-232, built-in printer

Display LCD display

Power 230V - 50 Hz

Overall dimensions (LxWxH) 550x210x750 mm

Weight ~90 kg



ATTRIBUTES

Full load range Brinell up to 3000kg. The loading is set by the actuation of a step motor and load cell

Optional forces: 62,5; 100; 125; 187,5; 250; 500; 750; 1000; 1500; 3000 kgf (=kp)

Accuracy in accordance with EN-ISO 6506 standards

Automatic measurement sequence:

loading / dwelling / unloading

Massive, reliable construction

Spinning turret for the quick and precise measurements

Measurement report-making with the built-in printer

Integrated, digital microscope for indentation measurement

Easy-to-use, user-friendly

With Bullseye CCD measurement analytics system

Automatic indentation analysis with a single click - (manual/automatic analysis)

Hardness conversion to Vickers and Rockwell scales

Digital analysis helps to reduce user uncertainty

Measurement time reduces

Hardness value correction of Brinell hardness measured on non-flattened surfaces

Threshold management: the exceeding of preset hardness values are being monitored and registered

Statistical analysis with various functions

High resolution, LED ring light microscope (20x, 30x) with CCD camera

Automatic screenshot making with USB camera

Displaying diagrams

Analysis report making and printing with indentation snapshots (Word and Excel file format)

With Windows 8 OS tablet

