

Product Information

9187.5 LKB Low Load Brinell Hardness Testing Machines



9187.5 LKB Low Load Brinell Tester

Range of applications

- Brinell ISO 6506-3 and ASTM E10
- UKAS accredited.

Special Characteristics

- Suitable for the calibration of test blocks.
- Unique nose mounted indenter, allows access to awkward to reach test points.
- Fully automatic testing cycle, eliminates operator influence on the test results.
- Test scale designation on display.
- Simple load change mechanism
- Bar graph and audible signal to confirm test routine with display of dwell countdown.
- Alarm to warn of aborted test, ensuring a valid test has been completed.
- UKAS accredited indenters and test blocks



Measuring the Hardness of an Internal Bore

- Variable load dwell times, 1 to 50 s.
- RS232C output to PC or printer.
- Automatic conversion to alternative scales, eliminating the requirement for conversion tables.
- Dead weight load application provides long term test force stability.
- Audible and visual indication of "out of tolerance" results, eliminating operator decisions.
- Calculation of average (X-bar) and range (R).
- Built in measuring microscope.
- Upgradeable with a camera and video monitor to reduce operator error when measuring Brinell impressions.
- Full range of standard accessories.

Specification

Type	Brinell (kgf)
9187.5LKB	3, 5, 10, 31.25, 62.5, 100, 125, 187.5

Model	Display	Data Entry	Resolution
LKV	Dot Matrix (LCD backlit) Alpha Numeric Single Line	Membrane Keypad	0.1 e.g. 527.4 HBW

Standard features

Automatic Test Cycle	✓
Measuring Resolution	✓
0.1 units e.g. 527.4 HBW 2.5/187.5	✓
Scale Designation e.g. HBW 1/10 or HBW 2.5/62.5	✓
Data Processing	✓
X-bar R Calculation (display & print)	✓
Automatic Scale Conversion	✓
Vickers	✓
Rockwell	✓
Knoop	✓
Ultimate Tensile strength	✓
± Tolerance Limits	✓
Lever Operated Load/Scale Selection	✓
Programmable Dwell Times 1 to 50s	✓
RS232C Port	✓
Built in optical measuring microscope	✓
Upgradeable to include PC & automatic measurement	✓

Agents Stamp:

Standard accessories

One 2.5mm Ø Brinell Indenter (UKAS)	✓
One 1.0mm Ø Brinell Indenter (UKAS)	✓
One 70mm dia. Flat Anvil	✓
One 6mm Spot & Vee Anvil	✓
One Brinell Test Block (UKAS)	✓
Machine Cover	✓
User Instructions	✓

All test blocks and indenters are supplied with a UKAS calibration certificate which is compliant with the current version of ISO 6506-3 and ASTM E10 and traceable to the National Physical Laboratory, London or IMGCC, Italy

Calibration	ISO 6506-3 ASTM E18
Standard Specimen Accommodation (Larger capacity machines available)	Vertical 250 mm (10") Throat 150 mm (6")
Services	3 A single phase 240/120 V switchable
Machine Dimensions	Height 782 mm Width 348 mm Depth 700 mm
Shipping Details	One case: Volume: 0.47 m ³ 84 x 55 x 100 cm Nett weight: 100 kg Gross weight: 115 kg

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