

BRINELL HARDNESS TESTER CV-3000LDB™

Ready-to-test digital Brinell tester with closed loop controlled load application

- Sturdy, regular 30 kN (3000kg) Brinell tester
- Rugged construction to with-stand the harshest environments
- Accurate reliable and durable tester at a very affordable price
- High rigidity and closed loop load technology to ensure accurate and safe load application
- External microscope with analogue scale for indentation measurement
- Easy to use human interface to set up and operate the tester
- Brinell video microscope system optional



Technical specifications

Brinell scales	HBW 10/3000, HBW 10/1500, HBW 10/1000, HBW 10/500, HBW 10/250, HBW 10/125, HBW 10/100, HBW 5/750, HBW 5/250, HBW 5/62.5, HBW 2.5/187.5
Hardness resolution	0.1 unit if HB < 100 else 1.0 unit
Test loads	62.5, 100, 187.5, 250, 500, 750, 1000, 1500, 3000kgf
LCD display indication	Test force selected, test force actual, dwell Time
Test force application	Closed loop controlled load motor
Load duration	Adjustable application and dwell time 5-60 sec (5 sec step)
Accuracy	Conforms to EN-ISO 6506
Specimen accommodation	Vertical space 220mm Horizontal space (from centre-line) 135mm
Specimen access	External surfaces roughly ground, Ra <21.6µm
Power supply	220V AC, 50 Hz
Measuring microscope	Magnification 20X, resolution 5µm
Machine dimensions	Width 236mm, depth 550mm, height 753mm
Machine weight	Approx. 123kg

Standard delivery

- CV-3000LDB main unit
- Measuring microscope 20x
- Ball indentors
ø 2.5mm, ø 5mm and ø 10mm
- V-anvil
- Large flat anvil
- Small flat anvil
- Test table ø 80mm
- Fuse 2A (3 pcs)
- Test block 150-250 HBW 10/3000
- Test block 75-125 HBW 10/1000
- Test block 150-250 HBW 2.5/187.5
- CV Instruments certificate
- Installation and user manual

Optional accessories

- Spare balls for each indenter
- Brinell video microscope system
(see following page)

*Also available with Brinell scanning system CV-HB100

See following page!