



CL TECH AND SUPPLY CO.,LTD.

27/92 Soi Arthornupatum , Pracharad 1 Rd., Bangsue , Bangkok 10800

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Brinell Hardness Tester

Digital hardness testers for Brinell and Vickers test method in compliance with ASTM, ISO and JIS hardness standards. Load range from 10 to 3000 kgf. LD 3000 hardness testers are low cost bench hardness testers with high accuracy standards. Really simple to use, just one single button for the entire test. Load forces are applied through load cells and controlled in "Closed Loop" with a frequency of 1 khz, assuring perfect linearity in every range. Hardness tests on all metals: iron, steel, tempered steel, cast iron, brass, aluminum, copper and metal alloys.

Specification

TEST LOADS: from 10 to 3000 kgf (From 98,07 to 29421 N)

Brinell ISO 6506-1 / ASTM E-10 (only Indenter): HBW1/10 - HBW1/30 - HBW2.5/15.625 - HBW2.5/31.25 - HBW2.5/62.5 - HBW2.5/187.5 - HBW5/25 - HRW5/62,5 - HBW5/125 - HBW5/250 - HBW5/750 - HBW10/100 - HBW10/250 - HBW10/500 - HBW10/1000 - HBW10/1500 - HBW10/3000

Vickers ISO 6507 / ASTM E-384 (only Indenter): HV10 - HV15 - HV20 - HV30 - HV50 - HV60 - HV100 - HV120

LD 3000	
Standards	EN-ISO 6506-1 / EN-ISO 6507 / EN-ISO 6508-2 / ASTM E-10 / ASTM E-18 / ASTM E-384 / ASTM E-92
Indenter and clamping-hood stroke	30 mm
Elevating screw stroke	150 mm
Depth capacity	190 mm
Test loads	Brinell: 98.07 - 147.1 - 294.2 - 306.5 - 612.9 - 1839 - 2452 - 4903 - 7355 - 9807 - 29421 N (10 - 15 - 30 - 31.2 - 62.5 - 187.5 - 250 - 500 - 750 - 1000 - 3000 kgf) Vickers: 98.07 - 147.1 -294.2 - 490.3 - 980.7 N (10 - 15 - 30 - 50 - 100 kgf)
Feasible tests	Brinell: HB30 - HB10 - HB5 - HB2.5 MPa (F/D2)
Accuracy	Better than 0.5 %



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