

ELECTRONIC DIGITAL BRINELL HARDNESS TESTER (Touch Screen)

Applicable Range

It is suitable for the determination of the hardness of cast iron, steel, non-ferrous metals and soft alloys, as well as the determination of the hardness of certain non-metallic materials such as hard plastics and bake life.



Test Force: 62.5 kgf, 100 kgf, 125 kgf, 187.5kgf, 250 kgf, 500 kgf, 750 kgf, 1000 kgf, 1500 kgf, 3000 kgf.

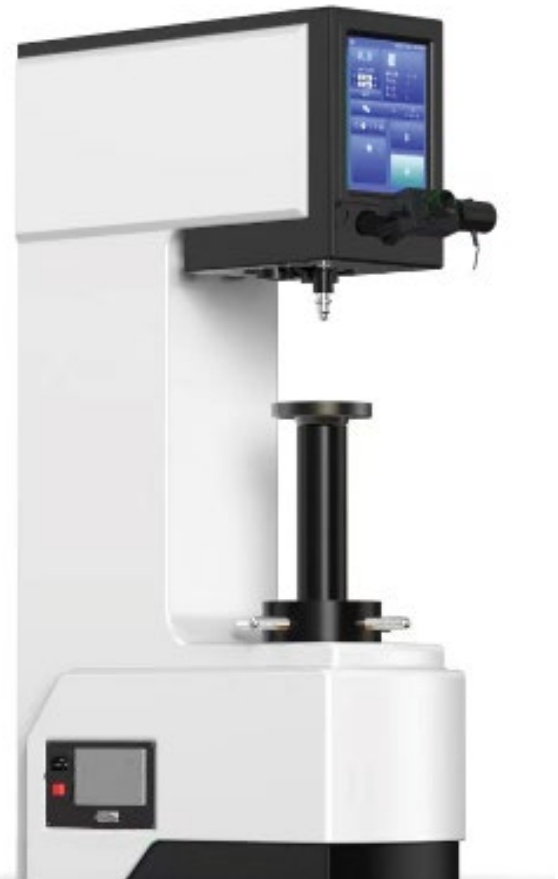
612.9N, 980.7N, 1226N, 1839N, 2452N, 4903N, 7355N, 9807N, 14710N, 29420N.

Ball and Load Scale Combination:

HBW2.5/62.5, HBW2.5/187.5, HBW5/62.5, HBW5/125, HBW5/250, HBW5/750, HBW10/100, HBW10/250, HBW10/500, HBW10/1000, HBW10/1500, HBW10/3000.

Technical Specifications :

Model Number	TT 6004 X / 004
Testing Range	8 ~ 650 HBW
Indication of Hardness Value	Digital Display LCD Touch Screen to Read Hardness Value
Data Output	Build-in Printer
Microscope	20x Digital Micrometer Eyepiece
Minimum Value of Micrometer Drum	1.25 μ m
Dwell/Holding Time	0 ~ 60s
Max. Height of Sample	250 mm
Distance from Center Indenter to Wall	150 mm
Power	AC220V, 50 Hz
Product Dimensions	230 (L) x 600 (W) x 920 (H) mm
Approx. Weight	130 kg



CIVIL ENGINEERING TESTING EQUIPMENT

STEEL

Unit Consists Of :

Model Number	Parts Description	Qty
TT 6004 X / 004 - P 001	Brinell Hardness Tester	1 unit
TT 6004 X / 004 - P 002	Big Flat Workbench	1 no.
TT 6004 X / 004 - P 003	Small Flat Workbench	1 no.
TT 6004 X / 004 - P 004	V Workbench	1 no.
TT 6004 X / 004 - P 005	Carbide Indenter (ϕ 2.5, ϕ 5, ϕ 10)	1 set
TT 6004 X / 004 - P 006	Standard Brinell Hardness Block (200 \pm 50HBS)	1 no.
TT 6004 X / 004 - P 007	Standard Brinell Hardness Block (100 \pm 25HBS)	1 no.
TT 6004 X / 004 - P 008	Accessory Case	1 no.

*1 Copy of Manual Instruction

ROCKWELL HARDNESS TESTER (TOUCH SCREEN)

Standard: ASTM E10, ISO 6508-2

Hardness Test

Rockwell Hardness Tester (Touch Screen) suitable for hardness measurement of quenched, quenched and tempered, annealed, chilled castings, malleable castings, hard alloy steel, aluminum alloy, copper alloy, bearing steel, etc.

Technical Specifications :

Model Number	TT 6004 X / 005
Initial Test Force	10kgf (98.07N)
Measuring Range	20-88HRA, 20-100HRBW, 20-70HRC
Indenter Specifications	Diamond Rockwell, Ø 1.588mm Ball Indenter
Testing Force	60 kgf (588.4N), 100 kgf (980.7N), 150kgf (1471N)
Max. Height of Specimen	210 mm
Distance of centre of indenter to machine wall	165 mm
Hardness Resolution	0.1 HR
Indication of Hardness Value	Digital Display with Large Touch Screen
Dimensions	220 (L) x 510 (W) x 694 (H) mm
Net Weight	98 kg
Power Supply	220~240 V, 100 W, 0.2 A, 1 Ph, 50/60 Hz, 0.13 Hp



CIVIL ENGINEERING TESTING EQUIPMENT

STEEL

Unit Consists Of :

Model Number	Parts Description	Qty
TT 6004 X / 005 – P 001	Ø1.5875 mm Steel ball	5pcs
TT 6004 X / 005 – P 002	Ø1.5875 mm Steel Ball Indenter	1 no.
TT 6004 X / 005 – P 003	Small Flat Test Bench	1 no.
TT 6004 X / 005 – P 004	Large Flat Test Bench	1 no.
TT 6004 X / 005 – P 005	V-Shaped Test Bench	1 no.
TT 6004 X / 005 – P 006	Standard hardness block	5pcs
TT 6004 X / 005 – P 007	Power Cable	1 no.
TT 6004 X / 005 – P 008	Screwdriver	1 pc

**NEW
2024**

VICKERS HARDNESS TESTER (TOUCH SCREEN)

Standard: ISO 6507, ASTM E384

Hardness Test

The hardness tester is suitable for measuring small, thin specimens, surface infiltration, plating after the treatment of parts.

FEATURES:-

- * Adopts a closed-loop loading control system to improve the accuracy of the test force.
- * New display screen LCD
- * 10 times digital measurement microscope and 20 times objective lens



Technical Specifications :

Model Number	TT 6004 X / 006
Test Force	0.3, 0.5, 1, 2, 2.5, 3, 5, 10, 20, 30 kgf 2.94, 4.90, 9.80, 19.6, 24.5, 29.4, 49, 98, 196, 294 N
Measurement range	5HV~3000HV
Test mode	HV/HK
Test force application	Automatic (loading, dwelling, unloading)
Objective and indenter switching	Automatic Turret
Objective lens	10X (Observe), 20X(measurement)
Eyepiece	10X micrometer
Total magnification	100X, 200X
Dwelling time	1~60s
Date output	LCD Digital Display, Build-in Printer
Light source	Halogen Light Source
Max. height of specimen	175mm
Distance from indenter to machine wall	125mm
Power	220~240 V, 100 W, 0.2 A, 1 Ph, 50/60 Hz, 0.13 Hp
Dimension	320 (L) x 580 (W) x 650 (H) mm
Weight	55kg

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Unit Consists Of :

Model Number	Parts Description	Qty
TT 6004 X / 005 – P 001	Accessory Case	1 pc.
TT 6004 X / 005 – P 002	Micrometer Eyepiece	1 pc.
TT 6004 X / 005 – P 003	Small Flat Test Bench	1 no.
TT 6004 X / 005 – P 004	Large Flat Test Bench	1 no.
TT 6004 X / 005 – P 005	V-Shaped Test Bench	1 no.
TT 6004 X / 005 – P 006	Vickers Hardness Block	2 pcs
TT 6004 X / 005 – P 007	Power Cable	1 no.
TT 6004 X / 005 – P 008	Horizontal Adjusting Screw	4 pcs

* 1 copy of instruction manual