

Digital Universal Hardness Tester LHBRV-187.5DX (Touch Screen)



Functions & Features

- With three test modes: Rockwell, Brinell, Vickers
- High-definition Touch Screen; multi-function digital display
- Traditional weight system
- Electronic & Automatic loading & unloading
- Conversion hardness in different scales
- With built-in printer for printing the current / history data
- With USB port for data output (Excel format)
- Optional: high-definition CCD camera & PC software for generating reports and data management
- Meets or exceeds ISO, ASTM and JIS standards

Application

- Widely used in the Rockwell, Brinell, and Vickers hardness test of Ferrous and nonferrous metals
- Castings, annealed steel, normalized steel, non-ferrous metals and soft alloys (Brinell)
- Heat-treated materials (Rockwell)
- Nitriding layer, ceramic, sheet, foil, plated layer, and minute parts (Vickers)

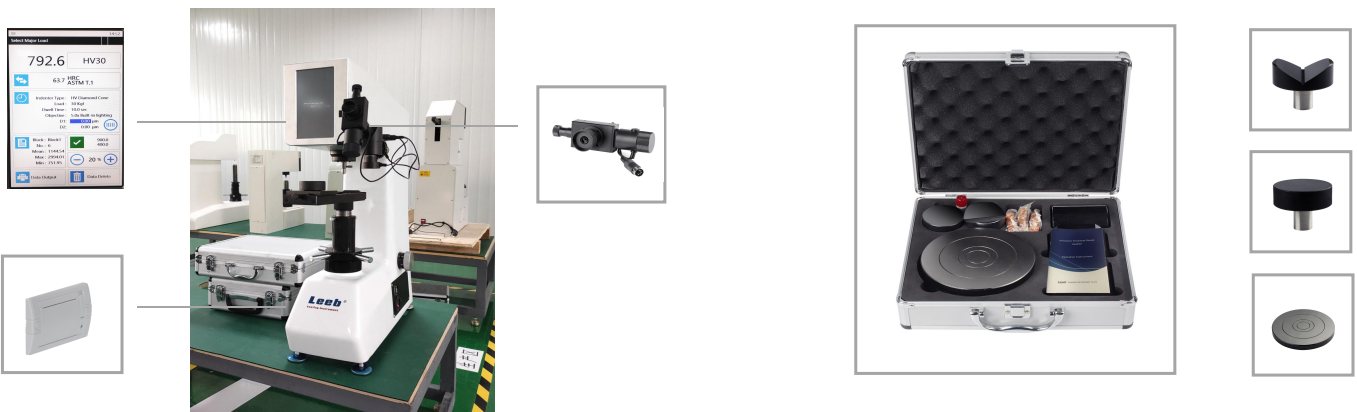
Technical Parameters

Model	LHBRV-187.5DX (Touch Screen)
Display	High-definition Touch Screen with digital display
Data output	Built-in Printer, USB, RS232
Duration time	0-60s
Carried Standard	GB/T230.2、GB/T4340.2、GB/T231.2、ISO6508.2、ISO6507.2、ISO6506.2、ASTM E18、ASTM E384、ASTM E10、JIS B7725、JIS B7726、JIS B7724
Testing force (Max. error $\leq \pm 1\%$)	Rockwell: 60kgf(588N), 100kgf(980N), 150kgf(1471N)
	Brinell: 30kgf (294.2N) , 31.25kgf (306.5N) , 62.5kgf (612.9N) , 100kgf (980.7N) , 187.5kgf (1839N)
	Vickers: 30Kg(294.2N), 100Kg (980.7N)
Test Scale	Rockwell: HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRH, HRK, HRL, HRM, HRP, HRR, HRS, HRV
	Brinell: HBW2.5/31.25, HBW2.5/62.5, HBW5/62.5, HBW2.5/187.5
	Vickers: HV30, HV100
Hardness measuring range	Rockwell: 20-95HRA 10-100HRB 20-70HRC
	Brinell: 5-650HBW
	Vickers: 5-3000HV
Magnification	37.5X, 75X
Lighting	Rockwell: N/A, Brinell: external headlamp, Vickers: microscope base with internal headlamp (adjustable)
Max Height of Specimen	Rockwell:185mm, Brinell:135mm, Vickers:135mm (customize available)
Distance of Indenter to outer wall	160mm
Power supply	AC220V \pm 5%, 50-60Hz
Overall Dimension (mm)	550*230*780
Net weight	About 85Kg

Standard Accessories

Name	Quantity	Name	Quantity
Diamond Rockwell Indenter	1	Rockwell Hardness block	2
1.5875mm Ball Indenter	1	Brinell Hardness block	1
Diamond Vickers Indenter	1	Vickers Hardness block	1
Brinell ϕ 2.5、 ϕ 5 mm Ball Indenter	2	Large, Medium, "V" shaped Testing Table	3
Digital Eyepiece 15x	1	Sliding Testing Bench	1
Objective 2.5x, 5x	2	Microscope base (with internal headlamp)	1
Paper for thermal printer	1	External headlamp	1
Power Cable	1	Dustproof cover	1
Warranty Card	1	Screwdriver & Level vial	2
Operation Manual	1	Quality Certificate	1

Pictures



Touch Screen & Digital Eyepiece & Printer

Accessory Box