

The UH250 Universal Hardness Tester contains all standard hardness testing methods between 9.81 - 2452 N. The system is designed with high-quality mechanical components with closed-loop technology and our versatile Windows® evaluation software WIN-Control. The integrated camera with Zoom module allows for a fast, accurate, and user-independent Vickers or Brinell measurement.



### Applications

- Hardness from castings and forgings
- For flat and cylindrical work pieces
- Wide application within the automotive and aerospace industry
- Laboratory and workshop testing
- Sample testing or quality control testing
- Steels, non-ferrous metals
- Cemented carbide, ceramics, stainless steels



## Technical Specifications

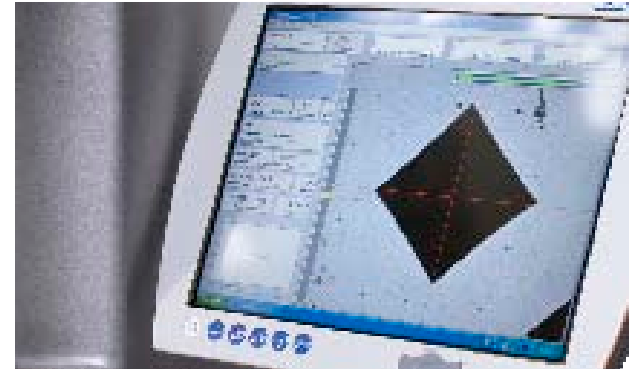
Hardness Scales	Brinell, Vickers, Rockwell, Super-Rockwell, Knoop and Brinell Depth
Optics	5 mega-pixel camera
Objectives	Zoom module and autofocus
Display	IPC-touchscreen or PC screen
Standards	Conforms to ISO 6506, ISO 6507, ISO 6508, ISO 4545, ASTM E18, ASTM E92, ASTM E10 and JIS
Test Load Type	Loadcell closed-loop control system
Test Cycle	Automatic and indent evaluation
Test Loads	1, 3, 5, 10, 15, 15.625, 20, 30, 31.25, 50, 60, 62.5, 100, 125, 150, 187.5, 250 kgf
Vickers Test Procedures	HV 1, 2, 3, 5, 10, 20, 30, 50, 100
Brinell Test Procedures	HB1: 1, 2.5, 5, 10, 30 HB2.5: 6.25, 15.625, 31.25, 62.5, 187.5 HB5: 25, 62.5, 125, 250 HB10: 100, 250
Rockwell Test Procedures	A, B, C, D, E, F, G, H, K, L, M, P, R, S, V, Bm, Fm, 15N, 30N, 45N, 15T, 30T, 45T, 15W, 30W, 45W, 15X, 30X, 45X, 15Y, 30Y, 45Y, 30 TM, HMR 5/25
Indenter Types (optional)	Brinell Balls: 1, 2.5, 5, 10 mm Vickers Diamond: 136° Rockwell Diamond Cone: 120° Balls: 1/16 in, 1/8 in, 1/4 in, 1/2 in
Load Duration	0.1 - 255 seconds
Data Output	RS-232, UTP RJ45
Specimen Accommodation	Maximum test height 320 mm, maximum throat 215 mm
Specimen Access	External surfaces
Machine Dimensions (L x W x H)	620 mm (24.4 in) x 250 mm (9.84 in) x 900 mm (35.43 in)
Machine Net Weight	230 kg (507 lbs)
Power Supply	230V / 50-60Hz



### Test Blocks and Indenters

Wilson® Hardness offers a wide range of reference blocks. All certified reference blocks are issued with a traceable NVLAP, DKD or UKAS certificate according to internationally recognized standards, including ISO and ASTM.

We also offer certified Brinell, Vickers, and Rockwell indenters.



### Accessories

- NC-controlled X/Y coordinate table
- Standard PC or embedded solution
- Wide range of anvils

Please ask for a full accessories catalog.



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