

PORTABLE VICKERS DYNATESTOR Series WHV - 400

For portable accurate testing on metals, plastics and ceramics

- Suitable for hardness tests on metals, plastics, ceramics
- Direct reading in Vickers HV, and conversion to HRC, HRB, HB and UTS
- High reproducibility within $\pm 1\%$
- Extensive range of applications at locations difficult to access
- Large memory, statistics and data output
- Windows software for testing, data processing and documentation
- Ultrasonic Contact Impedance test principle: very accurate!

Measuring principle	According to the UCI method
Indenter	Vickers diamond (angle 136°)
Test load probes	3N, 10N, 20N, 30N, 49N, 98N (selectable)
Measuring range	Vickers HV 10 - 3000 (direct) Rockwell HRC 20 - 68 (conversion) Rockwell HRB 41 - 99.5 (conversion) Brinell HB 76 - 447 (conversion) UTS N/mm^2 255 - 2180 (conversion)
Reproducibility	Vickers HV $\pm 1\%$ Rockwell HRC ± 0.5 Rockwell HRB ± 1.2 Brinell HB $\pm 1\%$
Applicable test materials	Primarily metals and plastics or ceramics may be tested using a standard calibration block
Display	Large graphical backlit display, contrast and brightness adjustable, display of hardness scales HV, HRC, HB
Calibration	Storage of up to 20 calibrations for different materials
Memory	1000 readings, storage in batches with date, hour, and go/no go judgment
Statistics	Optional memory for 30.000 readings Mean value, minimum, maximum, standard deviation absolute and relative. Delete single readings
Interface	Serial: RS-232C and RS485 Parallel: Printer
Printer output	Prints hardness values, hour and date Prints statistics of stored data
Power	Power supply 100-240V / 50-60Hz
Batteries	Rechargeable 9.6V / 1700 mAh (2.5 hours charging, 5 hours continuous use)
Operating temperature	0 - $50^\circ C$
Dimensions	Display unit: 85 x 225 x 198mm Probe: 19.5 diameter x 175mm length
Weight	2200gr (including probe 190gr)



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Accessories

Check with your WOLPERT agent for specified packages of standard delivery equipment included with this hardness tester.

Main unit

- Probe with one fixed load (to be selected)
- Cable
- Suitcase
- High precision stand for probe WH4S
- Probe shoes for flat surfaces
- Probe shoes for convex surfaces 10-50mm
- Probe shoes for convex surfaces 50- 250mm
- Probe SL type (slim nose)
- Probe shoes for probe SL type (width 21mm)
- Windows software program WH4DAT for data transmission to the PC (incl. cable)
- Windows software program WH4CON for production-following hardness testing
- Plastic handle for probe WH4G
- Carrier bag for main unit and accessories
- SPS Option for use in automated testing systems
- Measurement of hardening depth or sinter materials

