

Vickers Portable Hardness Tester 'Ultramatic' CV-HV400

This extremely accurate **UCI Hardness Tester** is designed to test even in the most difficult-to-access component areas. Using the ultrasonic contact impedance method this easy-to-use, portable unit gives instant, reliable results and is backed by advanced software features for data conversion, data logging and reporting.

TECHNICAL SPECIFICATIONS

Measuring principle	UCI method (ultrasonic contact impedance principle)		
Indenter type	Vickers diamond (angle 136°)		
Measuring range	Vickers	HV	10-3000 (direct)
	Rockwell	HRC	20-68 (conversion)
	Brinell	HB	76-447 (conversion)
	UTS	N/mm ²	255-2180 (conversion)
Reproducibility	HV +/- 1%, HRC +/- 0.5, HB +/- 1%		
Test probes available	3N, 10N, 20N, 30N, 49N, 98N (30N standard)		
Display	Large backlit LCD, displays hardness HV, HRC, HB and UTS		
Calibration	20 preset calibrations for different materials (user definable)		
Memory	1000 readings, expandable to 30,000		
Statistics	Mean, min, max, std dev, Go-No-Go%		
Interface	Serial RS 232, RS 485 and parallel printer		
Power	Mains / rechargeable battery / shows continuous use		



PORTABLE HARDNESS TESTER - CV-HV400

Code No	Description	Price (£)	
W-HV400	UCI Vickers Portable Tester without probe	£3,381.00	I
W-HV400/08	30N Probe (standard)	£2,788.00	I
W-HV400/10	49N Probe	£2,788.00	I
W-HV Guide	Guide Support	£71.00	I

Standard Delivery

- Probe with one fixed load (30N as standard, others available)
- Charger 230V
- Certificate
- Manual
- Carrying case

Optional Accessories

- Probe SL type (slim nose)
 - Memory for 30,000 readings
 - Bench Stand TH-45
 - Guide Support
- Call for full specification and accessory list.

Ultrasonic Portable Hardness Tester CV-HV450™

Portable hardness tester for accurate testing on metals, plastics and ceramics

Features

- Uses UCI principle of hardness testing
- Suitable for hardness testing of metals, plastics and ceramics
- Rockwell (HRC), Brinell (HB), Vickers (HV) and Shore (HSD)
- Leaves almost no visible indent on the tested article surface

Standard Delivery

- Main unit
- U1 ultrasonic probe
- Power unit
- Battery: NiMH, C size
- Carrying case
- CV Instruments certificate
- User and installation manual

Optional Accessories

- Hardness reference test blocks
- Precision holding fixture for probe
- Battery operated grinder
- Changeable headpiece to probe
- Probe stand



PORTABLE HARDNESS TESTER - CV-HV450

Code No	Description	Price (£)	
W-HV450	Ultrasonic Portable Hardness Tester	£2,955.00	I
W-HV450/10	Stand for HV450 probe	£1,695.00	I