

# UNIVERSAL HARDNESS TESTER CV-700™

*Analogue, universal hardness tester for reliable Rockwell, Brinell and Vickers testing*

- Dead-weight universal hardness tester with solid design
- Rockwell, Brinell and Vickers testing procedures combined
- Moving table between indenter and measuring microscope
- Magnification by objective lenses 37.5x and 70x
- Conforms to DIN-EN-ISO 6506, 6507, 6508 and ASTM
- Simple test cycle by operation lever
- Wide test load range up to 187.5kgf
- Elevating spindle with precision guide bush, high precision bearings to eliminate back-lash from the system



## Technical specifications

Hardness parameters	Rockwell, Brinell, Vickers	
Optics	Eyepiece magnification 15x	
Objectives	Interchangeable 37.5x and 70x magnification	
Standards	Conforms to DIN-EN-ISO 6506, 6507, 6508 and ASTM	
Test loads	6 Test Loads Selectable	
Test load type	Dead weights, load step adjustable	
Test cycle	Operation lever system	
Test loads	Rockwell	60 - 100 - 150kg
	Brinell	31.25 - 62.5 - 187.5kg
	Vickers	30 - 100kg
Indenter types optional	Rockwell	Diamond cone 120°, Balls 1/16"
	Brinell	Balls 2.5 - 5mm
	Vickers	Diamond cone 136°
Load duration	Conforms to standards	
Data output	Non	
Specimen accommodation	Maximum test height 180mm, maximum depth 200mm (from the centre)	
Specimen access	External surfaces, Cylindrical surfaces down to 3mm diameter	
Power supply	220V / 50Hz	
Machine dimensions	Width 560mm, depth 260mm, height 760mm	
Machine net weight	90kg	

## Standard delivery

- Main unit
- 37.5x and 70x objective
- Test table
- Test platform ø 60mm
- V-anvil ø 40mm and ø 60mm
- Flat anvil ø 60mm
- Hardness test block ±450HV
- Hardness test block ±200HB
- Hardness test block ±60HRC
- Hardness test block ±30HRC
- Hardness test block ±85HRB
- Fuse 7A (2 pcs)
- Spare light bulb 6V/15W (2 pcs)
- External lamp for Brinell measurements
- Power cable
- CV Instruments certificate
- Installation and user manual

## Optional accessories

- Certified indentors