

## Universal Hardness Tester CV-700

Rockwell, Vickers, Brinell, traditional dead weight hardness tester with an analogue Rockwell scale and analogue microscope readings. Ideal for use in education or general metal working workshops. **Limited test loads ranging between 31.25kgf and 187.5kgf.**



### Features

- Dead-weight universal hardness tester with solid design
- Rockwell, Brinell and Vickers testing procedures combined in one tester
- Sliding table between indenter and measuring microscope
- Magnification by 3 objective lenses giving up to 150x magnification (optional)
- Conforms to DIN-EN-ISO 6506, 6507, 6508 and ASTM
- Simple test cycle by operation lever
- Test load range up to 187.5kgf
- Elevating spindle with precision guide bush, high precision bearings to eliminate back-lash from the system

## Universal Hardness Tester CV-700



### TECHNICAL SPECIFICATION

Hardness parameters	Rockwell, Brinell, Vickers	
Optics	Eyepiece magnification 15x	
Objectives	2.5x for 37.5x magnification, 5x for 75x magnification and 10x for 150x magnification (optional)	
Standards	Conforms to DIN-EN-ISO 6506, 6507, 6508 and ASTM	
Test load type	Dead weight via load selector	
Test cycle	Manually operated	
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 center)	
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

- Objectives for 37.5x and 75x magnification
- Sliding testing table
- V-anvil  $\varnothing$  40mm and  $\varnothing$  60mm
- Flat anvil  $\varnothing$  60mm
- Testing table  $\varnothing$  160mm
- Hardness test block  $\pm$ 450HV
- Hardness test block  $\pm$ 200HB
- Hardness test block  $\pm$ 60HRC
- Hardness test block  $\pm$ 25HRC
- Hardness test block  $\pm$ 85HRB
- Rockwell diamond cone 120°
- Rockwell ball indenters 1/16"
- Brinell ball indenters 1mm, 2.5mm, 5mm
- Vickers diamond cone 136°
- Fuse 7A (2 pcs)
- Spare light bulb 6V/15W (2 pcs)
- External light source for improved Brinell indent viewing
- Power cable
- CV Instruments certificate
- Installation and user manual

### Optional Accessories

- Objective for 150x magnification
- Dual filar microscope
- LED ring light
- Certified indenters & balls
- Reference hardness blocks