

Rockwell Hardness Tester CV-600A / CV-600MA / CV-600MA/S

Basic regular Rockwell type tester (600A/MA) and Superficial Rockwell type tester (600MA/S) offering accuracy, reliability and durability at an extremely affordable price.



CV-600A
Manually Operated



CV-600MA
Motorised



CV-600MA/S
Motorised Superficial

Features

- Rugged construction, will stand up to the harshest environments
- Direct reading of Rockwell scales HRC, B, A, F or Superficial: HRT, HRN
- Other scales with the use of optional indenters
- Accuracy conforms to EN-ISO 6508 and ASTM E-18
- Easy load force selection by robust dial knob
- Oil brake with variable damping by adjustable knob (CV-600A)
- Large capacity to accommodate large test specimen
- Electronic control of load duration (dwell time) (CV-600MA & CV-600MA/S)
- Motorised testing procedure (CV-600MA & CV-600MA/S)
- Standard delivery including accessories ready for testing all scales

Rockwell Hardness Tester CV-600A / CV-600MA / CV-600MA/S



TECHNICAL SPECIFICATION

Rockwell scales	
Standard	A, B, C, F (CV-600A/CV-600MA)
Superficial	HRT, HRN (CV-600MA/S)*
Hardness resolution	1 of a Rockwell unit
Test loads	
Rockwell	10kgf preload / 60, 100, 150kgf main load
Superficial Rockwell	3kgf preload / 15, 30, 45kgf main load
Display	Dial indicator
Test force application	By force lever (CV-600A) Motorised load system (CV-600MA & CV-600MA/S)
Test cycle	Manual (CV-600A); Motorised (preload applied manually) (CV-600MA & CV-600MA/S)
Load duration	Manually, following display indication (CV-600A), Automatic (CV-600MA & CV-600MA/S)
Dwell time	2-99 sec (1 sec. step) (600MA/S)
Data output	Non
Accuracy	Conforms to EN-ISO 6508 and ASTM E-18
Specimen accommodation	Vertical space 170mm (6.7") Horizontal space (from center-line) 165mm (6.5")
Specimen access	External surfaces
Power supply	Non (600A), 220V 50Hz (600MA & 600MA/S)
Machine dimensions	150mm x 485mm x 700mm (WxDxH)
Machine weight	Approx. 85kg

*Other scales with the use of optional indenters.

Standard Delivery

- Main unit
- Diamond Rockwell indenter
- Rockwell ball indenter 1/16"
- Hardness test block $\pm 60\text{HRC}$
- Hardness test block $\pm 25\text{HRC}$
- Hardness test block $\pm 85\text{HRB}$
- Flat anvil $\phi 60\text{mm}$
- Large flat anvil $\phi 150\text{mm}$
- V-anvil $\phi 40\text{mm}$
- Adjustable feet (4 pcs)
- Spindle protection cover
- Solid accessories case
- Bowers Group Instruments certificate
- Installation & user manual
- Spare lamps 6V-12W (2pcs) (CV-600MA/S)
- Spare balls 1/16" (5pcs)
- Power cable (CV-600MA/S)
- Fuse 0.5A (2pcs) (CV-600MA/S)

Optional Accessories

- Certified test blocks
- Certified indenters & balls
- Clamping protection nose
- Pedestal spot anvil $\phi 10\text{mm}$