

Advanced Digital Rockwell Hardness Tester CV-600BDL / CV-600MBDL / CV-600MBDL/S

Basic digital regular Rockwell type tester (CV-600BDL/MBDL) and Superficial Rockwell type tester (CV-600MBDL/S) offering accuracy, reliability and durability at an extremely affordable price.



CV-600BDL
Manually Operated



CV-600MBDL
Motorised



CV-600MBDL/S
Motorised Superficial

Features

- Advanced functions such as CONVERSION to Brinell, Vickers and all Rockwell scales. USB-2 output, printer output for detailed measuring report, Go/No Go limit settings, 99 memory positions, PROGRAM mode stores 50 test program settings, shape correction setting, full statistics
- Direct reading of Rockwell scales HRA, B, C, D, E, F, G, K, L, M, P, R, S (HRN, T, W, X & Y CV-600MBDL/S)
- 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-600BDL)
- Large capacity to accommodate large test specimen
- Selectable control of load duration (dwell time)
- Motorised testing procedure (CV-600MBDL & CV-600MBDL/S)
- Rugged construction, will stand up to the harshest environments
- Standard delivery including accessories ready for testing all scales

Advanced Digital Rockwell Hardness Tester CV-600BDL / CV-600MBDL / CV-600MBDL/S



TECHNICAL SPECIFICATION

Rockwell scales	
Standard	A, B, C, D, E, F, G, K, L, M, P, R, S
Superficial	HRN, T, W, X & Y (CV-600MBDL/S)
Hardness resolution	0.01 of a Rockwell unit
Test loads	
Rockwell	10kgf preload /60, 100, 150kgf main load
Superficial Rockwell	3kgf preload /15, 30, 45kgf main load
Display	Full colour multi function indicator
Test force application	By force lever (CV-600BDL) Motorised load system (CV-600MBDL)
Test cycle	Manual (CV-600BDL); Motorised (preload applied manually) (CV-600MBDL)
Load duration	Manually, following display indication (CV-600BDL); Automatic (CV-600MBDL)
Dwell time	2-99 sec. (1 sec. step)
Measuring protocol	ISO / ASTM / JIS
Indications on display	Progress bar for preload, preload applied, main load applied, dwell time, invalid reading, invalid measurement, invalid procedure, Rockwell value, Go/No Go, shape correction, limits, program number, conversion scale, statistics, scale applied
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 Cylindrical surfaces down to 3mm diameter
Data output	USB
Power supply	Input 110/220Volt 50/60Hz
Machine dimensions	150mm x 485mm x 700mm (WxDxH)
Machine weight	Approx. 85kg

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

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