

## 600MBDL



# 600MBDL Rockwell hardness tester



## Features

- Advanced regular Rockwell tester and offering accuracy, reliability and durability at an extremely affordable price
- All functions like BD/MBD series but equipped with OLED full color multi function display
- Additional advanced functions such as CONVERSION to Brinell, Vickers and all Rockwell scales.  
USB-2/RS-232 output, printer output for detailed measuring report, Go/No Go limit settings, 9999 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, V
- 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
- Large capacity to accommodate large test specimen
- Selectable control of load duration (dwell time)
- Motorized testing procedure
- Rugged construction, will stand up to the harshest environments
- Standard delivery including accessories ready for testing all scales

## Technical specification

Rockwell scales Standard	A,B,C,D,E,F,G,K,L,M,P,R,V
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 color multi function indicator
Test force application	Motorized load system
Test cycle	Motorized (preload applied manually)
Load duration	Automatic
Dwell time	0-99 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	RS-232 and USB
Power supply	Input 110/220Volt 50/60Hz
Machine dimensions	150mm x 485mm x 700mm (WxDxH)
Machine weight	Approx. 85kg



600MBDL  
Rockwell hardness tester

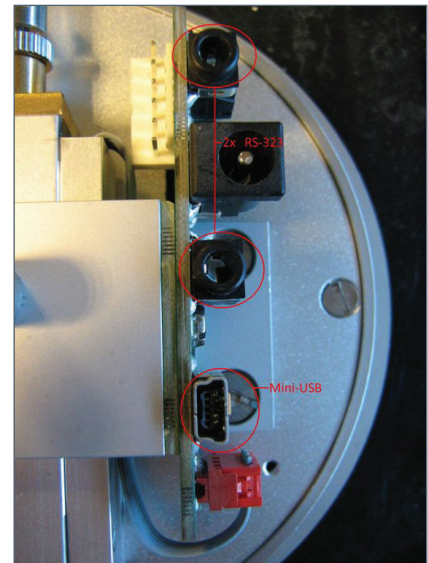
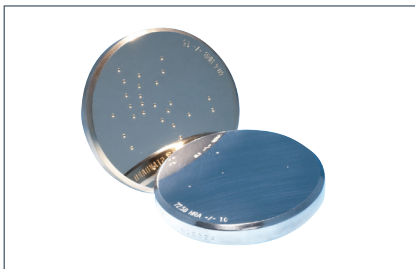


## Standard delivery

- 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  $\pm 85\text{HRB}$
- Spare balls 1/16" (5 pcs)
- Flat anvil  $\varnothing 60\text{mm}$
- Testing table large  $\varnothing 150\text{mm}$
- V-anvil  $\varnothing 40\text{mm}$
- Power cable
- Adjustable feet (4 pcs)
- Spindle protection cover
- Solid accessories case
- INNOVATEST® certificate
- Installation & user manual

## Optional accessories

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

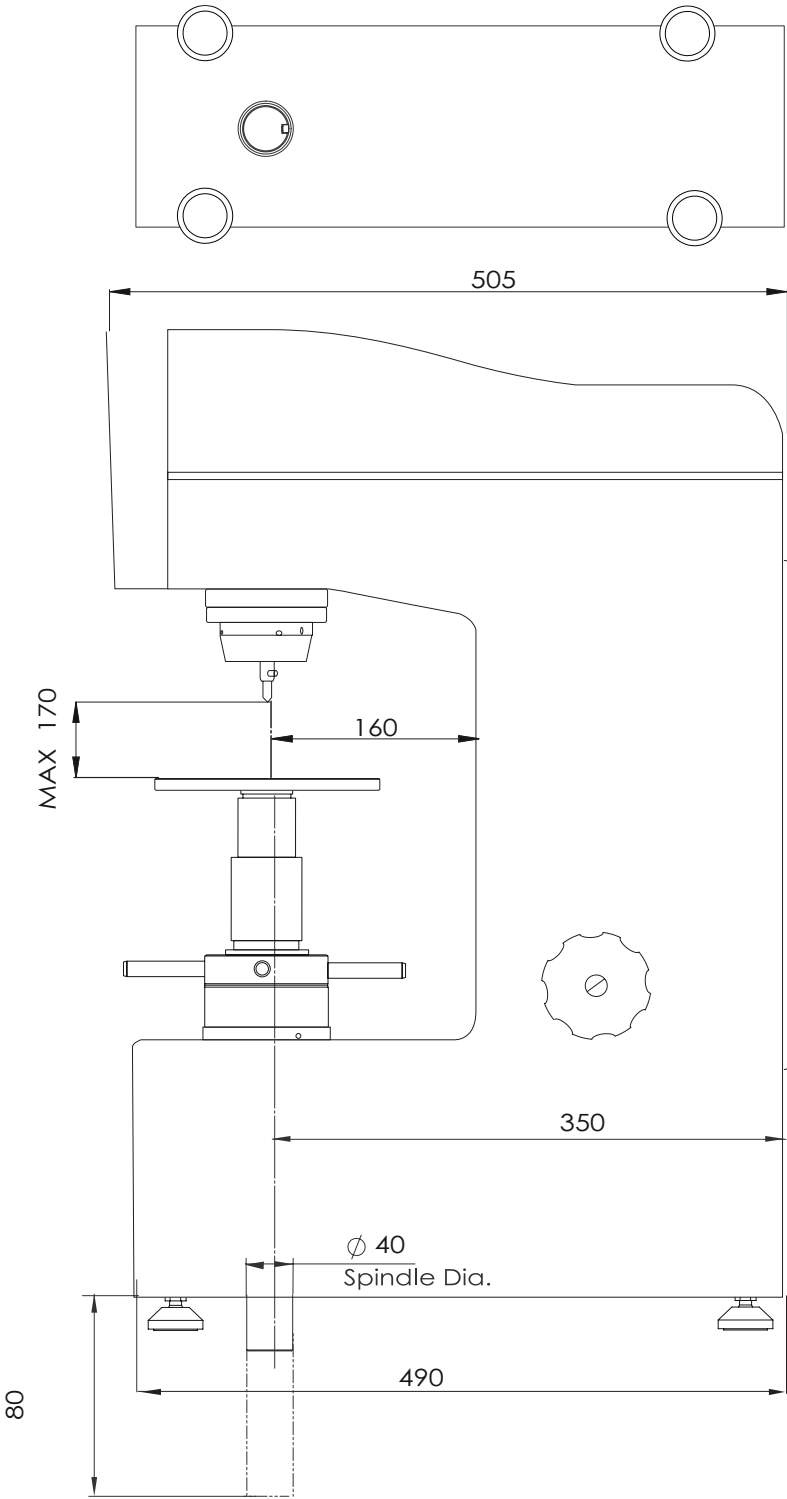


## Order details

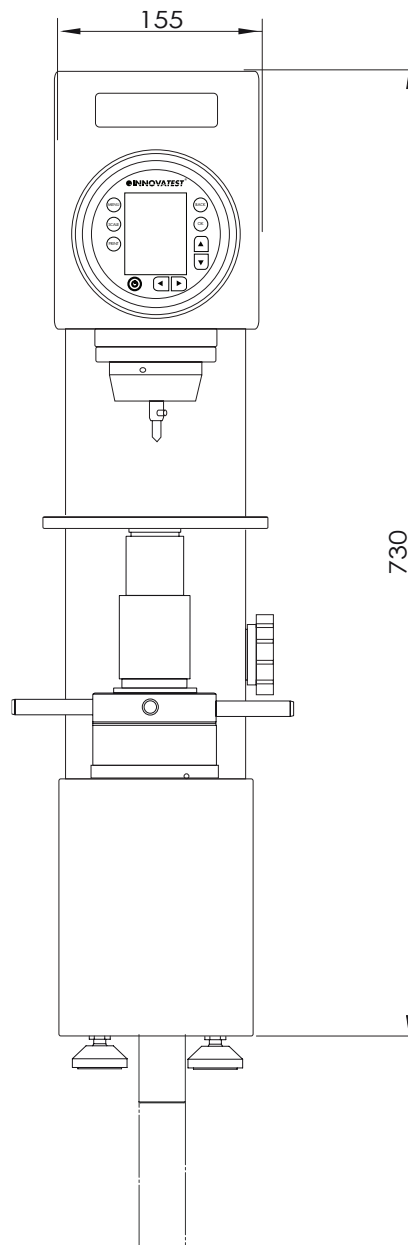
**600MBDL** Digital motorized with advanced functions

# Technical drawing 600MBDL

All dimensions are in mm



All dimensions are in mm



Represented by:

IN10-134 060115

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