



ROCKWELL HARDNESS TESTER

QNESS 150 CS ECO

The Rockwell hardness tester Qness 150 CS combines high-quality workmanship with maximum operation simplicity. The characteristic "C" shaped machine frame in robust and compact design ("S" for "small") gives the product its name.

The proven concept with fixed test head and up/down moving spindle has been standard in Rockwell hardness testing for many decades and is ideally suited for small to medium-sized test pieces and application in almost any work surroundings.

Product Advantages

- | Large test force range (1 kg - 250 kg)
- | Direct depth gauging system
- | Robust, welded steel frame
- | High-quality steel sheet covers
- | Integrated LED workspace lighting
- | Capacitive 7" touch screen display



[Click to view video](#)

Product Video



MAXIMUM QATM- STANDARD PRECISION

QATM configures the Rockwell hardness tester Qness 150 CS and CSA+ with a direct, ultra-precise HEIDENHAIN depth-gauging system, positioned exactly on the axis of the indenter. This omits measurement inaccuracies caused by deformation in the system. Another unbeatable benefit: Indenting depth can be gauged directly – and can be easily calibrated in accordance with the latest Rockwell norms.

ROCKWELL HARDNESS TESTER QNESS 150 CS

TEST METHODS & FORCE RANGE



Rockwell

DIN EN ISO 6508, ASTM E-18

HRA - HRV	HR15-N/T/W/X/Y	HR30-N/T/W/X/Y	HR45-N/T/W/X/Y
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Brinell

HBT (not acc. to standards)



Vickers

HVT (not acc. to standards)



Plastics

DIN EN ISO 2039

49.03 N	132.9 N	357.9 N	961 N
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Integrated conversions: DIN EN ISO 18265, DIN EN ISO 50150, ASTM E140

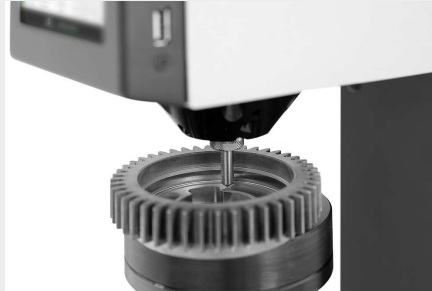
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SOPHISTICATED CONSTRUCTION, ULTRA-SIMPLE OPERATION



COMPACT DESIGN - LATEST TECHNOLOGY

- | Controlled force application (1kg to 250kg)
- | Machine versions to serve all applications and test piece size
- | Direct depth-gauge-system (0.05µm resolution)
- | Robust welded steel frame and sheet steel covers



REMOVABLE DOWNHOLDER

No need for long retooling breaks due to inaccessible test points. The clamping head can be removed via 2 screws. Now, even test points in hard-to-reach contours can be accessed with ease.



MADE IN AUSTRIA

Unmatched in its class! We know how important a long-serving superior-quality device can be and guarantee excellent quality from our new Rockwell hardness tester series. Developed and manufactured in Austria!

INTUITIVE FEATURES AND OPERATION



START BUTTON

Simple and rapid start via the start button at the front of the Rockwell hardness tester (particularly when wearing gloves) or via touchscreen control.



TEST TABLE HEIGHT ADJUSTMENT

Via stable, ultra-precise roller-bearing spindle guide. Solid, no maintenance structure. Each Rockwell hardness tester is available with a Ø25 mm table mount (optional 3/4" adapter available) facilitating the use of a wide range of test tables and devices.



DIGITAL DATA EXPORT

Test results and all related information can be transferred to other data storage mediums via the USB port at the side.

THE PERFECT INTRODUCTION TO ROCKWELL HARDNESS TESTING

Built-in LED workspace lighting simplifies the precise positioning of the test piece, thus enhancing operating convenience.



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OPERATION DISPLAY AND QPIX TE-SOFTWARE



We have developed a 7" color display with a robust sheet steel frame for the new Rockwell hardness tester series. The display uses capacitive touch technology and has been optimized to guarantee operational precision and rapid reaction times. The new Qpix TE software guarantees simple operation with larger buttons and a more modern and intuitive software interface.

Features:

- | Extra-large, clearly-visible presentation of test results
- | High-/low-quality evaluation of results featured in green and red according to the tolerance levels set
- | Test results list for 999 values
- | Statistics overview (min/max/range/cp/cpk/average)
- | Conversion
- | Surface corrections
- | Simple test method changeover
- | Wide range of operating languages
- | Password protected area for expanded range of settings

ROCKWELL HARDNESS QNESS 150 CS

TECHNICAL DATA



Test force range	1 - 250 kg (9.81 - 2452 N)
Height adjustment	manual / spindle
Test height	250 mm
Throat depth	157 mm
Test table	Ø 100 mm
Max. workpiece weight	100 kg
Weight of basic device	77 kg
Test sequence	fully automated / electronic force application
Software	Qpix TE
Display	7" capacitive touch (color)
Interfaces	1x USB
Power supply	100 - 240 V, ~1/N/PE, 45 - 65 Hz
Max. power consumption	~60 W
Accessories	Additional indenters, hardness test blocks, machine pedestal, prisms

www.qatm.com/q150-cs

ORDER DATA