



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.

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## 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)
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### Vickers

HVT (not acc. to standards)
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### 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

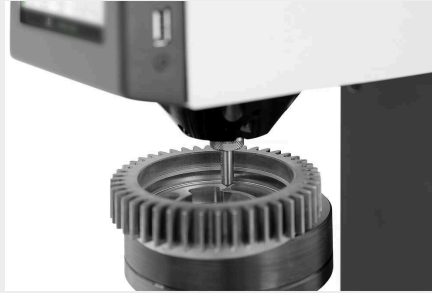
ROCKWELL HARDNESS TESTER QNESS 150 CS

**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, nomaintenance structure. Each Rockwell hardness tester is available with a  $\varnothing 25$  mm table mount (optional  $\frac{3}{4}$ " 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

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**TECHNICAL DATA**



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

[www.qatm.com/q150-cs](http://www.qatm.com/q150-cs)

## ORDER DATA