



ROCKWELL HARDNESS TESTER

QNESS 150 CS

qatm.com/products/hardness-testing/rockwell-hardness-tester/qness-150-cs/

QNESS 150 CS

ROCKWELL HARDNESS TESTER

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.

Normcompliant with a direct depth-gauging system.



QNESS 150 CS

PRODUCT ADVANTAGES

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



PRODUCT VIDEO

Qness 150 CS Eco

QNESS 150 CS

MAXIMUM QATM-STANDARD PRECISION

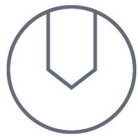
QATM configures the Rockwell hardness tester Qness 150 CS and CSA+ with a direct, ultra-precise HEIDENHAIN depth-gauging system, positioned exactly on the axis of the indenter. This omits measurement inaccuracies caused by deformation in the system.

Another unbeatable benefit: Indenting depth can be gauged directly – and can be easily calibrated in accordance with the latest Rockwell norms.



QNESS 150 CS

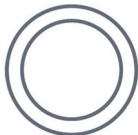
TEST METHODS & FORCE RANGE



ROCKWELL

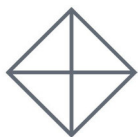
DIN EN ISO 6508, ASTM E-18

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



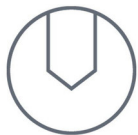
BRINELL

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

Integrated conversions: DIN EN ISO 18265, DIN EN ISO 50150, ASTM E140

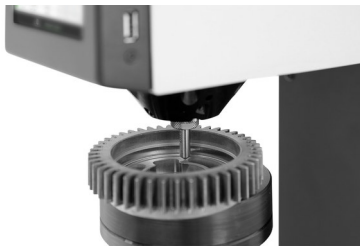
QNESS 150 CS

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!

QNESS 150 CS

THE PERFECT INTRODUCTION TO ROCKWELL HARDNESS TESTING

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



QNESS 150 CS

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 Ø25 mm table mount (optional ¾" 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.

QNESS 150 CS

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.



QNESS 150 CS

QPIX TE SOFTWARE FEATURES

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

IOT – INTERNET OF THINGS

THE PLATFORM FOR REMOTE ACCESS TO YOUR DEVICES

All QATM hardness testers with QpixControl2 and QpixT2 software seamlessly integrate into the Verder Scientific IoT platform, providing enhanced functionality and seamless connectivity.

- Real-time Monitoring:** Monitor your machinery in real time, from anywhere in the world. This data-driven approach empowers you to make informed decisions with ease.
- Live Notifications:** Be ahead of the curve with immediate alerts and updates. Real-time notifications ensure you stay informed about your equipment's performance, leading to proactive maintenance.
- Effortless Backup:** Simplify your data protection. Whether you need to back up a single device or an entire fleet, our platform streamlines the process, minimizing downtime and data loss.
- Automatic & Free Software Updates:** Bid farewell to manual updates! Verder Scientific IoT ensures your customers' machines are consistently equipped with the latest software, optimizing performance and reliability.

LEARN MORE ABOUT THE VERDER SCIENTIFIC IOT PLATFORM →

verder-scientific.com/products/iot/

ROCKWELL HARDNESS TESTER

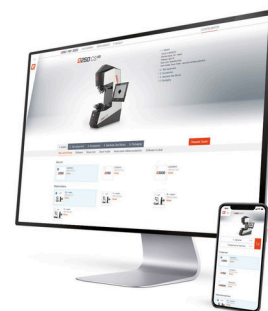
CONFIGURE YOUR HARDNESS TESTER TO MATCH YOUR APPLICATION

With the QATM Configurator, you can easily tailor your hardness tester to your individual requirements. Select the appropriate device version, equipment, and accessories, and submit your configuration directly as a non-binding request for quotation to QATM.

YOUR BENEFITS AT A GLANCE

- | **Configure individually:** Select the device, equipment, and accessories to match your application
- | **Simple & clear:** Step by step to your desired device configuration
- | **Request directly:** Submit your configuration easily as a free and non-binding request for quotation
- | **Personal support:** QATM experts assist you in selecting the right solution

Alternatively, you can also submit your inquiry directly via our contact form.



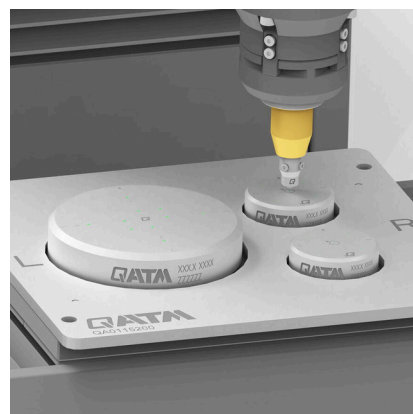
QNESS 150 CS

PERFECT HARDNESS TESTING – CONSUMABLES BY QATM

Hardness testing is more reliable, safe and efficient when processed with the right ingredients: knowledge, care and the right choice of consumables and instruments.

TO THE PRODUCT RANGE →

qatm.com/products/consumables/hardness-testing/



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 connection	100 - 240 V, ~1/N/PE, 45 - 65 Hz
Max. power consumption	~60 W
Accessories	Additional indenters, hardness test blocks, machine pedestal, prisms

QNESS 150 CS

DOWNLOADS

PRODUCT DATA SHEET QNESS 150 CS → English PDF

QNESS 150 CS / CSA+ → English PDF

QNESS 150 CS

CONTACT US

qatm.com/contact/contact-form/?prefilltext=contact_form.request&product=Q01QB0201A

REQUEST A QUOTE / CONFIGURATOR

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