



## **Qness 150 CS<sup>ECT</sup>**

**A RELIABLE PARTNER**

**UNMATCHED SIMPLICITY IN  
ROCKWELL HARDNESS TESTING**

THE PERFECT INTRODUCTION TO  
ROCKWELL HARDNESS TESTING

# AT HOME EVERYWHERE: FOR INCOMING GOODS, WORKSHOPS, LABORATORIES AND SERIAL PRODUCTION

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



## AFFORDABLE PRICING

# SOPHISTICATED CONSTRUCTION, ULTRA-SIMPLE OPERATION



### COMPACT DESIGN - LATEST TECHNOLOGY

Modern features provided as standard:

- | Controlled force application (1 kg to 250 kg)
- | Direct depth-gauge system (0.05  $\mu\text{m}$  resolution)
- | Robust welded steel frame and sheet-steel covers
- | 7" color touchscreen operation with Qpix TE software
- | Digital data delivery via USB interface



### TEST TABLE HEIGHT ADJUSTMENT

Via stable, ultra-precise roller-bearing spindle guide. Solid, no-maintenance structure. All devices are 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.



### 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 Qness 150 CS ECO series. Developed and manufactured in Austria!

## SUPPORTED TEST METHODS



### ROCKWELL

DIN EN ISO 6508, ASTM E-18

HRA	HRB	HRC	HRD	HRE	HRF
HRG	HRH	HRK	HRL	HRM	HRP
HRR	HRS	HRV	HR 15-N/T/W/X/Y		
HR 30-N/T/W/X/Y			HR 45-N/T/W/X/Y		



### BRINELL

HBT (not acc. to standards)



### VICKERS

HVT (not acc. to standards)



### PLASTICS TESTING

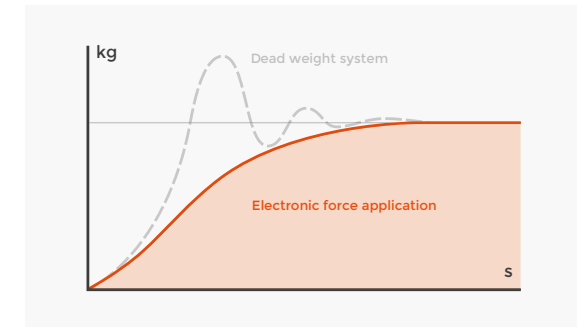
DIN EN ISO 2039

49.03 N	132.9 N	357.9 N	961 N
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### CONVERSION

DIN EN ISO 18265, DIN EN ISO 50150, ASTM E140



### FULLY AUTOMATED TEST CYCLE

Electronic force application and closed-loop control

MAXIMUM QATM-STANDARD  
PRECISION

# NORM- COMPLIANT WITH A DIRECT DEPTH-GAUGING SYSTEM

QATM configures the Qness 150 CS ECO with a direct, ultra-precise HEIDENHAIN depth-gauging system, positioned exactly on the axis of the indenter. This prevents 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.



119	39.70	HRC	31.01.2020 10:24:52
120	39.55	HRC	31.01.2020 10:32:46
121	39.79	HRC	31.01.2020 11:32:38



Start test

## SOPHISTICATED OPERATION

# INTUITIVE FEATURES AND OPERATION



### START BUTTON

Start button at the front of the tester ensures a simple and rapid start to hardness testing (particularly when wearing gloves), and there's also touchscreen control.



### 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.



### DIGITAL DATA EXPORT

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



### OPERATION DISPLAY AND QPIX TE SOFTWARE

QATM has developed a 7" color display with a robust sheet steel frame for the Qness 150 CS ECO. 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)
- | Conversions
- | Surface corrections
- | Simple test method changeover
- | Wide range of operating languages
- | Password protected area for expanded range of settings

READY-TO-USE

# COMPLETE PACKAGE

## QNESS 150 CS ECO HARDNESS TESTING DEVICE

- | DAKK & ASTM-conformant Rockwell indenter included
- | Hardened test anvil

## ADVANTAGES

- | Rapid delivery
- | Factory-calibrated

## INDIVIDUAL OPTIONS

- | Test blocks
- | Additional indenters
- | Machine pedestal
- | Clamping devices from the comprehensive QATM accessories program
- | Customer-specific clamping mechanisms







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)
Ports	1x USB
Options	Additional indenters, hardness test blocks, machine pedestal, prisms



#### QNESS 150 CS ECO PEDESTAL

No suitable table in the testing area? No problem! The Qness 150 CS ECO matches perfectly with the machine's optional pedestal. The superior-quality subframe is color-matched to the hardness testing device. The machine pedestal includes a spacious, lockable compartment in which to store accessories. Beechwood (40 mm thick) with a spindle bore.

Dimensions: B 750 x T 700 x H 840 mm

Max. surface load 1250 kg

#### ONLINE PRODUCT-CONFIGURATOR

For more equipment and accessories go to the online product configurator at [www.qatm.com](http://www.qatm.com)



Online konfigurátor >



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## VERDER scientific

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