



ROCKWELL HARDNESS TESTER

SM1015 MKII

A benchtop industrial-standard tester for accurate measurements of Rockwell hardness.



KEY FEATURES

- Industrial instrument specifications
- Nose-mounted indenter allows 360-degree access
- Fully automatic testing cycle and automatic conversion to alternative scales eliminates operator influence on the test results
- Intuitive 7 Inch touchscreen interface (can be used with gloves on)
- High level of test result repeatability
- Robust construction with a play free screw spindle running on ball-bearings
- Visual and audible signals when specified tolerance exceeded and during pre-load setting
- Choice of loading ranges for additional experiments: 60 kgf, 100 kgf, 150 kgf
- USB or computer (not supplied) export of results
- Supplied with UKAS calibration certificate

LEARNING OUTCOMES

- Hardness testing using classical Rockwell methods according to ISO 6508 and ASTM E18

KEY SPECIFICATIONS

- Workspace up to 250 mm high enables large workpieces to be tested
- Automatic loading control
- Resolution a minimum 0.1 digits
- 4-digit display, toggle switch for indenter selection (diamond or ball) and mean value display

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DESCRIPTION

The Rockwell hardness tester features a touchscreen interface that makes Rockwell hardness testing simpler and more consistent. It offers rapid, accurate and efficient hardness testing for a wide range of industries and applications

The apparatus performs Rockwell or superficial Rockwell hardness tests in accordance with established specifications, including BS EN ISO 6508 and ASTM E18.

It is supplied with a diamond cone indenter and a 1/16" diameter ball indenter, as standard.

The apparatus is comes with a 7" full colour resistive touchscreen.

The SM1015 MkII is an industrial instrument and if used in accordance with the following instructions, and given reasonable care and attention, it will maintain accurate and reliable hardness scales.

STANDARD FEATURES

- Supplied with a comprehensive user guide
- Five-year warranty
- Manufactured in accordance with the latest European Union directives
- ISO9001 certified manufacturer



TOUCHSCREEN OPERATION
EQUIPMENT FOR STANDARDISED ROCKWELL MEASURING

ACCESSORIES (INCLUDED AS STANDARD)

- 1 x Diamond indenter
- 1 x Ball indenter 1/16"
- 1 x 70 mm diameter flat anvil
- 1 x UKAS test certificate

RECOMMENDED ANCILLARY

- Reference test blocks with UKAS certificates (HTB-R)

OPERATING CONDITIONS

OPERATING ENVIRONMENT:

Laboratory

SOUND LEVELS:

Less than 70 dB(A)

ESSENTIAL SERVICES

BENCH SPACE REQUIRED:

900 x 600 x 1100 mm

ELECTRICAL SUPPLY (SPECIFY ON ORDER):

Single-phase, 240/120 VAC, 50/60 Hz, (switchable), 3 A

DETAILED SPECIFICATIONS

TecEquipment is committed to a programme of continuous improvement; hence we reserve the right to alter the design and product specification without prior notice.

NETT DIMENSIONS AND WEIGHT:

- Height 800 mm x width 260 mm x depth 670 mm
- 90 kg

APPROXIMATE PACKED DIMENSIONS AND WEIGHT:

- 900 x 400 x 800 mm
- 105 kg

STANDARD SPECIMEN ACCOMMODATION VERTICAL:

250 mm (10"); throat: 150 mm (6")