

SMI015

## ROCKWELL HARDNESS TESTER

A bench-top 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
- 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

### 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

# ROCKWELL HARDNESS TESTER

## DESCRIPTION

The machine performs Rockwell or superficial Rockwell hardness tests in accordance with established specifications, including BS EN ISO 6508:1999 and ASTM E18. The machine is supplied with a diamond cone indenter and a 1/16" diameter ball indenter, as standard.

The machine is provided with a four-digit LED display. It is used to display measured hardness results, to monitor the progress of the test and to display derived statistical data.

The SM1015 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



## 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:

3 A single-phase, 240/120 V switchable

## 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")



ONE-BUTTON OPERATION  
EQUIPMENT FOR STANDARDISED ROCKWELL MEASURING