

SM1016

VICKERS HARDNESS TESTER

A bench-top industrial-standard tester for accurate measurements of Vickers hardness.



KEY FEATURES

- Industrial instrument specifications
- Capable of performing tests using forces: 0.2, 0.5, 1, 3, 5, 10, 30 kgm
- Dead weight load application provides long term test force stability
- Unique nose-mounted indenter, allows access to awkward-to-reach test points
- Fully automatic testing cycle, eliminates operator influence on the test results
- Calculation of average (\bar{x}) and range (R)

LEARNING OUTCOMES

- Vickers testing to ISO 6507, ASTM E92 and ASTM E384, UKAS accredited

KEY SPECIFICATIONS

- Variable dwell times, 5 to 60 seconds
- UKAS accredited indenters

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DESCRIPTION

The machine performs the Vickers hardness test, in accordance with established specifications including BS EN ISO 6507 and ASTM E92.

The machine is provided with an LCD display. It is used to display measured hardness results, to monitor the progress of the test and to display information that may be required when setting up the machine for a variety of parameters.

The serial interface on the Vickers hardness testing machine provides the ability to print out results on a standard printer, or to communicate data to a PC.

The SM1016 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)

- Vickers indenter with UKAS calibration
- 1 x 70 mm diameter flat anvil
- Machine cover

RECOMMENDED ANCILLARY

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

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 670 mm x width 300 mm x depth 550 mm
- 30 kg

APPROXIMATE PACKED DIMENSIONS AND WEIGHT:

- 730 x 530 x 900 mm, 0.47 m³
- 50 kg

STANDARD SPECIMEN ACCOMMODATION VERTICAL:

250 mm (10"), Throat: 150 mm (6")