

Product Information

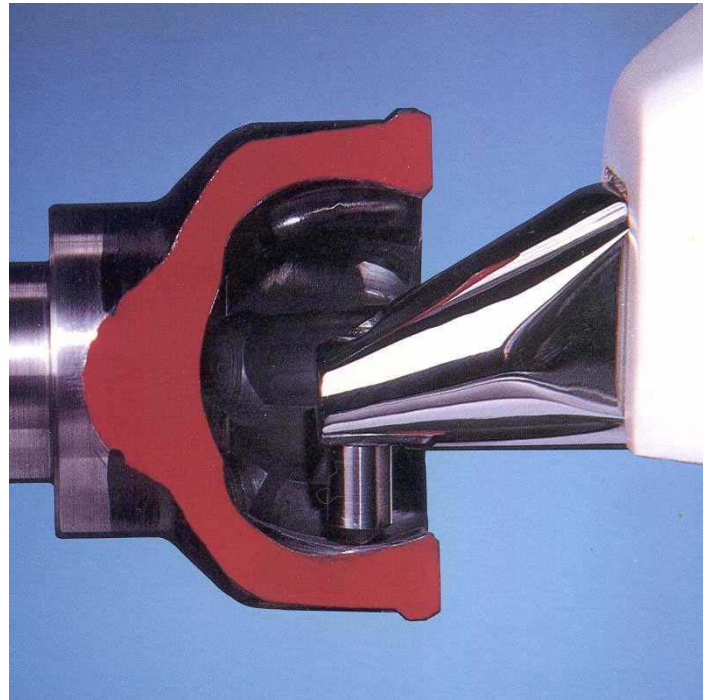
4045 LK Superficial Rockwell Hardness Tester

4150 LK Rockwell Hardness Tester

8150 LK Combined Rockwell and Superficial Rockwell Hardness Tester



8150 LK



Testing Internal Surfaces

Range of applications

- Rockwell and Superficial Rockwell testing to ISO 6508 and ASTM E18, UKAS accredited.

Special Characteristics

- Capable of performing all 30 Rockwell & Superficial Rockwell tests.
- Nose mounted indenter, allows access to awkward to reach test points.
- Fully automatic testing cycle, eliminates operator influence on the test results.
- Test scale designation on display.
- Simple load change mechanism
- Bar graph and audible signal to confirm test routine.
- UKAS accredited indenters and test blocks
- Alarm to warn of aborted test, ensuring a valid test has been completed.
- Variable full load and recovery load dwell times.
- RS232C output to PC or printer.
- Automatic conversion to alternative scales, eliminating the requirement for conversion tables.
- Audible and visual indication of “out of tolerance” results, eliminating operator decisions.
- Calculation of average (X-bar) and range (R).
- Dead weight load application provides long term test force stability.
- Easy to directly verify depth measurement system.
- Full range of standard accessories.
- Special purpose component fixtures to suit individual customer requirements.

Specification

The "LK" range of Rockwell hardness testers are supplied in three types, Rockwell, Superficial and Combined, the individual specifications are listed below.

Type	Test	Scales	Pre-Load	Total Load
4045	Superficial	N T W X Y	3kgf (29.42N)	15kgf (147.1N) 30kgf (294.2N) 45kgf (441.3N)
4150	Rockwell	A B C D E F G H K L M P R S V	10kgf (98.07N)	60kgf (588.4N) 100kgf (980.7N) 150kgf (1471N)
8150	Rockwell	A B C D E F G H K L M P R S V	10kgf (98.07N)	60kgf (588.4N) 100kgf (980.7N) 150kgf (1471N)
	Superficial	N T W X Y	3kgf (29.42N)	15kgf (147.1N) 30kgf (294.2N) 45kgf (441.3N)

Model	Display	Data Entry	Resolution
LK	Dot Matrix (LCD backlit) Alpha Numeric Single Line	Membrane Keypad	0.1 e.g. 74.1 (HRB)

Standard features

Type	LK
Automatic Test Cycle	✓
Measuring Resolution	
0.1 units (e.g. 62.1 HRC)	✓
Scale Designation	✓
Data Processing	
X-bar R Calculation (display & print)	✓
Automatic Scale Conversion	
Vickers	✓
Brinell	✓
Rockwell	✓
Knoop	✓
Ultimate Tensile strength	✓
Curvature Correction (3 to 20mm)	✓
± Tolerance Limit	✓
Lever Operated Load/Scale Selection	✓
Programmable Dwell Times 1 to 50s	✓
RS232C Port	✓
Specimen Clamp (factory fitted option)	✓

Agents Stamp:

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Telephone: 00 44 (0) 1384 896949
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Web page: www.indentec.demon.co.uk

Standard accessories

Model	4045	4150	8150
One Diamond Indenter	✓	✓	✓
One 1/16" Ball Indenter	✓	✓	✓
10 Spare 1/16" Ball Indenters	✓	✓	✓
One 70mm dia. Flat Anvil	✓	✓	✓
One 6mm Spot & Vee Anvil	✓	✓	✓
One HRC Test Block		✓	✓
One HRB Test Block		✓	✓
One HR30N Test Block	✓		✓
One HR30T Test Block	✓		✓
User Instructions	✓	✓	✓

Calibration

ISO 6508
ASTM E18

Standard Specimen Accommodation

(Larger capacity machines available)

Vertical 250 mm (10")
Throat 150 mm (6")

Services

3 A single phase
240/120 V switchable

Machine Dimensions

Height 782 mm
Width 292 mm
Depth 700 mm

Shipping Details

One case:
Volume 0.47 m³
Nett weight 90 kg
Gross weight 105 kg

