

Product Information

Vickers Hardness Tester 5030 / 6030



6030LKV Vickers Hardness Tester

Range of applications

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

Special Characteristics

- Capable of performing tests using forces : 1, 3, 5, 10, 20, 30 kgf, with additional 50 kgf force on 5030SKV / TKV.
- Unique 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.
- Bar graph and audible signal to confirm test routine with display of dwell countdown.
- Alarm to warn of aborted test, ensuring a valid test has been completed.



Measuring the hardness of an internal bore

- UKAS accredited indenters and test blocks
- RS232C output to PC and printer (LKV = single, SKV / TKV = twin)
- Automatic conversion to alternative scales
- Audible and visual indication of “out of tolerance” results, eliminating operator decisions.
- Built in data processing capability. (SKV / TKV)
- Dead weight load application provides long term test force stability.
- Full range of standard accessories.
- Calculation of average (X-bar) and range (R).
- 12 component/test data files (TKV), reduce the requirement for a PC when data storage and analysis is required.
- Variable dwell times times, 1 to 50 s.
- Design of special purpose fixtures available.
- Brinell software option, utilises a 1mm Ø ball to give F/d².ratios of 1,5,10 and 30.
- Upgradeable with a camera and video monitor or PC and Computer Assisted Measurement Software (CAMS) to remove operator influence.

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Specification	
Calibration	ISO 6507 & ASTM E384
Standard Specimen Accommodation	Vertical: 250 mm (10"). Throat: 150 mm (6") (Larger capacity machines also available)
Services	3 A single phase, 240/120 V switchable
Machine Dimensions	H: 782 mm W: 348 mm D: 700 mm
Shipping Details	One case Volume: 0.47 m ³ Dims: 840 x 550 x 1000 mm Net wt: 90 kg. Gross wt: 105 kg

Feature	6030LKV	5030SKV	5030TKV
Automatic Test Cycle	•	•	•
Measuring Resolution			
0.1 μ e.g. 0.2468 mm	•	•	•
0.1 HV e.g. 527.4 HV 10	•	•	•
Scale Designation		•	•
Data Processing			
X-bar R Calculation (display & print)	•	•	•
X-bar R Charts (display & print)			•
Component/Test Data Files			•
Histogram (display & print)		•	•
Capability Indices (display & print)		•	•
Standard Deviation (display & print)		•	•
Pass/Fail Summary (display & print)		•	•
Automatic Scale Conversion	•	•	•
± Tolerance Limit	•	•	•
Load/Scale Selection	Lever-operated	Powered	Powered
Programmable Dwell Times 1 to 50s	•	•	•
RS232C Ports	Single	Twin	Twin
Internal Clock		•	•

- already included in the scope of supply

Standard Accessories
One Diamond Pyramid Indenter
One 70mm dia. Flat Anvil
One 6mm Spot & Vee Anvil
One Vickers Test Block
Machine Cover
User Instructions
Brinell Software Option : Software combined with a 1mm Ø to provide F/d ² ratios of 1, 5, 10 and 30. (Contact your agent for further details.)