



COMPUTERIZED VICKERS HARDNESS TESTER

MODEL : BV-50-IPC



Mastering the fine art of testing

Machine Specifications :

- Fully Computerized system for indentation measurement and display on inbuilt Industrial PC with touch screen facility.
- Vickers hardness is measured using image processing techniques based on conditional edge detection & noise reduction achieved through computer vision. The complex algorithm conceives into highly accurate, repeatable and faster output than conventional methodology.
- Auto/ Manual measurement modes along with exhaustive analytics built in the system helps capturing all results and analyze at will.
- Specially designed multi element lens system with dual illumination technology offers constant magnification regardless of lens focal point.
- 2 Mega pixel active CMOS Sensor, which contains photo detector and an active amplifier offers sharper image than any CCD camera available.
- Image magnification : 75 X
- Least count of measurement : 0.0005 mm
- Vickers test loads : 5, 10, 15, 20, 30, 40 & 50 kgf
- Selection of test loads : by push buttons
- Hardness measurement range : 35 to 1850 HV. (For each load there is a different range)
- Test height x Throat : 245 x 120 mm
- Accuracy of Measurement of loads : $\pm 1\%$
- Indirect Verification : by standard test blocks
- Conforms to standard : IS : 1754
- Machine Sizes (Aprox) (L x W x H) : 660 x 320 x 990 mm
- Total Weight of Machine (Aprox) : 175 kgs

Machine Applications :

- Designed for measuring Vickers hardness of steel and metals of all types suitable for small, hard and thin specimens also for case hardened or coated jobs of low case depth.



Manufactured by -

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