VICKERS HARDNESS TESTER

Model: KVM-50

Leaders in
Material Testing and
Dynamic Balancing

KRYSTAL

KRYSTAL manufactures Vickers Hardness Testers which are easy to operate and have robust design. With KVM50 Vickers hardness can be measured with accuracy on metallic components over a wide range hardness covering soft to hard materials. KVM50 confirms to IS: 1754- 2002

The indentation is achieved using dead weight system and the indenter. The force applied by the weights on the indenter penetrates the component under test. The load is removed after defined dwell time which allows the clear penetration. As the load is removed, the optical system displays the indentation mark on the component. This is measured through the precision optical readout system having micrometer. The test cycle is fully automatic.

Features

- Robust design with easy to operate features.
- From very soft materials (lead) to very hard materials (hardened steel) can be tested with precision and consistency.
- Can be used on finished components as the indentation is very fine and in most cases does not damage the component.
- Loading and unloading cycle is motorized.
- With load capacity starting from 5kg, thin components can be tested.
- The optical system is fitted with proper illumination and micrometer measuring system. This reduces operator fatigue and errors.

Specification	Unit	KVM-50
Loads	Kgf	5, 10, 20, 30, 50
Magnification	x	70
Max. test height	mm	200
Depth of throat	mm	135
Scale Least Count	mm	0.001
Size (L x W x H)	mm	585 x 290 x 860
Net weight	Kgf	70
Motor	HP	0.33
Power	V/ph	220 / 1

Standard accessory	Quantity
Standard Test Block	1 Pc
Diamond Penetrator	1 Pc
Weights	1 Set
Flat Anvil	1 Pc
Vee type anvil (small & Big)	1 Pc each
Spanners	1 Set
Electric Cord	1 Pc
Telescopic cover	-
Instruction manual	-

Note: Due to continuous development, KRYSTAL reserves the right to change the specifications without notice.

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