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The leader of 4th-generation digital testers

KMT



AHVD-1000XY / Micro Vickers Hardness Tester

► Summary

The hardness tester is to indicate the hardness of the specimen by measuring the depth by pressing the entrance of the diamond cone or steel ball into the specimen. It is easy to operate and widely used in soft, hard metal, non-ferrous metal, nonmetal

► Features

- Integrate with Brinell, Rockwell and Vickers hardness testing
- 5.6 inch screen provide with total data for quality control
- Modern design and car painting technology, anti-scratch protection
- Equip with accurate sensor, make the testing accurately
- Can print data via built-in printer

■ DETAILED INFORMATION

► Specification

Model : AHVD-1000XY (CE certificate No. : GB/1067/3980/12 Issue 1)

Hardness scale : HV0.01, HV0.025, HV0.05, HV0.1, HV0.2, HV0.3, HV0.5, HV1, HV2

Hardness conversion scale :

HRA, HRB, HRC, HRD, HK, HBS, H15N, H30N, H45N, H15T, H30T, H45T

Testing Force : 10g (0.098N), 25g (0.245N), 50g (0.49N), 100g (0.98N), 200g (1.96N), 300g (2.94N), 500g (4.9N), 1000g (9.8N) Test force error: $\pm 1.0\%$

Loading speed : $\leq 50\mu\text{m}/\text{sec}$

Indenter : Standard Rectangular pyramid diamond indenter ($136^\circ \pm 0.5^\circ$)

Min. Measuring Unit : $0.02\mu\text{m}$

Hardness Value Range : 1HV-4000HV

Hardness Value of Reading : Digital LCD Screen (118x99mm)

Total Magnification :

100X (For Observation) , 400X (For Measurement)

(Can be extended to 150X or 600X)

Loading Method : Automatically (Load, dwell and unload)

Duration Time : 1-99s (each step is 1 second)