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KMT



Zoom

MHVD-1000AT / 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

- Automatic controlling and data collecting
- Automatically testing, measuring, data saving and data output
- Several measuring type to choose test report and can be generated automatically
- Large size testing table, multi-control modes are available, easy operation

■ DETAILED INFORMATION

► Specification

Model : MHVD-1000AT (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)