

Micro-Vickers

Micro Vickers Hardness Tester

ITS-1000 (ADT)



INFINITY TESTING SOLUTION

Model	ITS-1000 (ADT)	
Turret	Automatic Turret	
Inbuilt printer	Yes	
Data statistic function	Yes	
RS 232 port	Yes	
Objective	10X (Observe); 40X (measure)	
Eyepiece	10X digital eyepiece with built-in encoder	
Total Magnification	100X (measure); 400X (measure)	100X (measure); 400X (measure)
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)	

Hardness scale	HV0.01, HV0.025, HV0.05, HV0.1, HV0.2, HV0.3, HV0.5, HV1
Conversion scale	HRA, HRB, HRC, HRD, HRF, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T
	HV, HK, HBW
Loading speed	≤50μm/sec
Indenter	Standard Rectangular pyramid diamond indenter (136°±0.5°)
Min. measuring unit	0.01μm
Hardness value rang	8HV-2900HV
Data display	LCD touch screen
Loading method	Automatically (Load, dwell and unload the testing force)
Duration time	1-99s (each step is 1 second)
Objective lens center and indenter center	Coincidence accuracy error < 1um (objective lens center position can be adjusted)
X-Y Testing Table	Dim.:100×100 mm, Max. Travel Range: 25×25mm,
	Moving Resolution Ratio: 0.01mm
Test space	Maximum height: 100mm (vertical); Throat depth: 130mm (horizontal)
Light Source	LED Cold light source (can be continuous use for 24 hours, no heat generate ensure stable working, servicing life can reach 100,000 hours)
Machine size and N/W	540*260*650mm 50kg
Packing size and G/W	710*420*627mm 68kg
Power Supply	220V ± 5%, 50/60 Hz (110V is available)
Executed Standard	GB/T4340, ASTM E384 & E92, EN-ISO 6507, JIS B-7734

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