

Vickers Hardness Tester Series



Semi-automatic Vickers Hardness Tester



Digital Large-LCD Vickers Hardness Tester

TIME Vickers hardness tester series ranging from 1kgf to 50kgf to measuring different materials. Those testers with different functions, including Basic models, Auto turret, Digital, Digital and Auto Turret.

Features	Basic	Auto Turret	Digital	Digital and Auto Turret
Models	THV-1 THV-5 THV-10 THV-30 THV-50	THV-1A THV-5A THV-10A THV-30A THV-50A	THV-1D THV-5D THV-10D THV-30D THV-50D	THV-1MD THV-5MD THV-10MD THV-30MD THV-50MD
Automatic Loading, dwell and removal	•	•	•	•
Adjustable dwell time	•	•	•	•
Small LCD screen	•	•		
Large LCD screen			•	•
Vickers Indenter (HV hardness value)	•	•	•	•
Knoop Indenter (HK hardness value)	•	•	•	•
Automatic Hardness Conversion			•	•
Light source Mechanism adjustable	•	•	•	•
Auto Turret (indenter and object lens switch)		•		•
Menu operation panel			•	•
D1 and D2 input manually	•	•		
D1 and D2 input automatically			•	•
RS232 interface			•	•
Built in printer			•	•

SPECIFICATIONS

Model		THV-1 THV-1M/D	THV-5 THV-5M/D	THV-10 THV-10M/D	THV-30 THV-30M/D	THV-50 THV-50M/D
Test force	Kgf	0.01,0.025,0.05,0.1,0.2 ,0.3,0.5,1(2)	0.3,0.5,1, 2,3,5	0.3,0.5,1,2,3,5,10	1,3,5,10, 20,30	1,5,10,20,30,50
	N	0.098,0.245,0.49,0.98, 1.96,2.94,4.9,9.8(19.6)	2.94,4.9,9.8,19.6,29 .4,49.0	2.94,4.9,9.8,19.6,29. 4,49,98	9.8,29.4,49,98, 196,294	9.8,49,98,196, 294,490
Loading Mechanism		Automatic Load and Release Method				
Dwell Time		0~60s				
Turret Mechanism		Manual Automatic	Manual Automatic	Manual Automatic	Manual Automatic	Manual Automatic
Diamond indenter	Standard	Vickers Indenter(HV)				
	Option	Knoop Indenter(HK)				
Object Lens	Standard	10×,40×	10×,20×			
Eyepiece		10×				
Extended Magnification		50×,100×,200×,400×,500×				
Min .Measuring unit		0.5 μm	0.5μm	0.5μm	1μm	1μm
Max Height of Specimen		80mm	160mm			
Distance of Indenter to outer wall		95mm	135mm			
Available Test Parameter		HV/HK				
Hardness Conversion		HRA、HRB、HRC、HRD、HRF、HV、HK、HBW、HR15N、HR30N、HR45N、HR15T、HR30T、HR45				
Hardness measuring range		8~2900HV				
Operation Panel		START/RESET/DWELL TIME/TEST LOAD				
Data display		D1/D2/HV and HK hardness value/Test times and etc.				
Standard Compliance		ASTM E384,ASTM E92,ISO 6507,ISO 9385,ISO 4546				
Overall Dimension		405×290×480	520×190×650mm			
Net weight		About 25Kg	About 40 kg			
OTHER MODELS		THV-1D/THV-1MD, THV-5D/THV-5MD,THV-10D/THV-10MD,THV-30D/THV-30MD,THV-50D/THV-50MD				
		FEATURES: Large LCD Display With RS232 interface for data print				