



# Economical Macro Vickers Hardness Tester

## HV-10D series

### Characteristic:

- HV-10D Series is a half automatic and intelligent Vickers hardness testing machine, it adopts the close-loop force sensor to replace the traditional quality weight, this innovative design makes the instrument more accurate.
- HV-10D Series selection of testing force and dwell time is controlled and monitored on the front panel, it is automatic during the process of loading, dwell and unloading.
- HV-10D Series adopts digital microscopes with adjustable LED illuminator, doesn't the operator to read the detail length of indentation, it only needs the operator to aim the D1, D2 diameter of indentation and press the length key twice, then the built-in computer can compute the Vickers scale and display the final testing result on LCD display automatically.
- HV-10D Series doesn't need the operator to read the diagonal of indentation and check the Vickers testing table, it improves the speed and accuracy of hardness testing obviously.

### Specifications:

Product Name		Vickers Hardness Tester		
Model		HV-10D	HV-30D	HV-50D
Code#		821-111	821-121	821-131
Testing Force	Kgf	0.3, 0.5, 1, 2, 2.5, 3, 5, 10	0.5, 1, 2, 3, 5, 10, 20, 30	1, 2, 3, 5, 10, 20, 30, 50
	N	2.94, 4.9, 9.8, 19.6, 24.5, 29.4, 49.0, 98.0	4.9, 9.8, 19.6, 29.4, 49, 98, 196, 294	9.8, 19.6, 29.4, 49.0, 98.0, 196, 294, 490
Testing Range		8HV0.3~2900HV10	8HV0.5~2900HV30	8HV1~2900HV50
Loading Control		Automatic (Loading, Dwell, Unloading)		
Magnification of Microscope		Observation:10x; Measurement:20x		
Digital Eyepiece		Magnification:10x		
Dwell Time		Adjustable 0~60s		
Hardness Indication		1HV/LCD Display		
Illumination		Adjustable LED		
Max. Height of Specimen		170mm		
Instrument Throat		130mm		
Power Supply		AC220V/50Hz;110V/60Hz		
Dimension(LxWxH)		535 x225 x580mm		
Packing Dimension		630 x460 x710mm		
Gross/Net Weight		50Kg/40Kg		
Execution Standard		GB/T4340.2, EN-ISO6507, ASTM E10-08, ASTM E-384		



HV-10D(#821-111)  
HV-30D(#821-121)  
HV-50D(#821-131)

### Standard Delivery:

Standard Delivery	Code#
Vickers Indenter	821-401
Built-in 10x Objective	821-311
Built-in 20x Objective	821-321
HV1 Hardness Block	821-601
HV10 Hardness Block	821-631
10x Digital Eyepiece	821-341
V-Shape Anvil	821-521
Power Cable	821-801
Accessories Box	821-901
Anti-dust Cover	821-911
Level Screw	821-931
Instrument Manual	HV-10D/30D/50D