



Advanced Digital Macro Vickers Hardness Tester HV-10AC series

Characteristic:

- HV-10AC 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-10AC 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-10AC Series adopts digital microscopes with adjustable LED illuminator, no need 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 computer the Vickers scale.
- HV-10AC Series equipped with a large LCD screen, the operation is more directly and clearly.
- HV-10AC Series doesn't need the operator to read the diagonal of indentation and check the Vickers testing table, it improves the testing speed and accuracy of hardness testing obviously.
- HV-10AC series hardness conversion among 17 hardness scales, and linking to PC in RS 232 interface and cable.



HV-10AC(#821-171)
HV-30AC(#821-181)
HV-50AC(#821-191)

Specifications:

Product Name		Advanced Auto-Turret Digital Vickers Hardness Tester		
Model		HV-10AC	HV-30AC	HV-50AC
Code#		821-171	821-181	821-191
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
Lens& Indenter Switch		Auto-turret		
Loading Control		Automatic (Loading, Dwell, Unloading)		
Magnification of Microscope		Observation:10x; Measurement:20x		
Digital Eyepiece		Magnification:10x;		
Dwell Time		Adjustable 0~60s		
Auto Hardness Conversion		HRA、HRB、HRC、HV、HK、HBW、etc		
Hardness Indication		LCD Display		
Output Data		RS232/Mini-printer		
Illumination		Adjustable LED		
Max. Height of Specimen		160mm		
Instrument Throat		135mm		
Power Supply		AC220V/50Hz;110V/60Hz		
Dimension(LxWxH)		535 x225 x580mm		
Packing Dimension		630 x460 x710mm		
Gross/Net Weight		75Kg/55Kg		
Execution Standard		GB/T4340.2, EN-ISO6507, ASTM E10-08, ASTM E-384		

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
Mini-Printer	821-831
Power Cable	821-801
Accessories Box	821-901
Anti-dust Cover	821-911
Level Screw	821-931
Instrument Manual	HV-10AC/30AC/50AC