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Hardness Testing Machines

MacroVicky VH1002/VH3003/VH5010 Digital Vickers Hardness Tester

MacroVicky VH1002

Model	MacroVicky VH1002
Code#	821-118
Standard	ASTM E-92, ISO 6507, GB/T4340
Certificate	CE



Product Characteristics

- Vickers hardness tester with colour touch screen;
- 8 inches colour touch screen, high resolution, easy to operate;
- Strong and stable body;
- LED illumination, light, adjustable, long life and no heat;
- Data storage for review and printing;
- Rotatable turret with five working positions;
- 250 lines encode with more precise measurement;
- Conversion between different scales;
- Can be developed to semi-automatically system.



Hardness Testing Machines

Specification

Model		MacroVicky VH1002	MacroVicky VH3003	MacroVicky VH5010
Code#		821-118	821-128	821-138
Test Load	Kgf	0.2 / 0.3 / 0.5 / 1 / 2 / 3 / 5 / 10	0.3 / 0.5 / 1 / 3 / 5 / 10 / 20 / 30	1 / 2 / 3 / 5 / 10 / 20 / 30 / 50
	Nf	1.961 / 2.942 / 4.903 / 9.807 / 19.614 / 29.42 / 49.035 / 98.07	9.807 / 19.614 / 29.421 / 49.035 / 98.07 / 196.14 / 294.21 / 490.35	9.807 / 19.614 / 29.421 / 49.035 / 98.07 / 196.14 / 294.21 / 490.35
Loading Mechanism		Automatic loading and releasing method 50~100 µm/s		
Dwell Time		5 ~ 99 s		
Turret Mechanism		Automatic		
Diamond Indenter		VICKERS INDENTER (FOR HV)		
Objective	Normal	10X , 40X	10 X , 20X	10X , 20X
	Option	40x, 20x, 5X		
Measuring Microscope Eyepiece		Electronic Type 10X		
Max. Measuring length		900 µm (In case of 100x) 230 µm (In case of 400x)		
Mix. Measuring unit		0.1µm (0.01µm for CTS type)		
Max. Specimen Height		200mm		
Max. Specimen Depth		160mm		
Measuring Hardness Scale		HV, HK		
X-Y Stage	Type	Manual		
	Dimensions	200 × 180 mm		
	Max. movement	100 × 100 mm		
	Min. micro graduation	1/100 mm		
LCD-Touch Operation Panel		Load start / set up zero / dwell time / light adjustment / transformation scale turret location / data processing (browse / delete / print)System settings (test conditions / language/Communications/factorysettings)		
Numerical Display		D1 value / D2 value / HV-HK Instructions / hardness value /conversion value / load value / dwell time / test times / turret location		
Print Output		Measured data and statistic data (Max. Value / Min. value / Mean value / Range / Standard deviation)		
Light Source		LED Illuminator		
Accuracy		Conform to : JIS B -7735, ASTM E-384 and ISO 6507-2		
Photographic Device		Capable to mount photographic device (Option)		
Dimensions		W 226 × D 560 × H 660 mm		
Weight		72KG		
Power Supply		Single phase AC 220 V 50/60 Hz		