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Vision Measuring Machine

Vicky VB-62.5 Digital Twin VickersBrinell Hardness Tester

Vicky VB-62.5

Model	Vicky VB-62.5
Code#	821-300
Accuracy	$\leq \pm 3.5\%$
Standard	GB/T4340, ISO6506/6507, ASTM E10-12/E92 JIS Z2243
Certificate	CE



Product Feature

- Vicky VB-62.5 equips with Brinell and Vickers test methods, just replace indenter to do specific testing.
- Standard delivery comes with 5x and 10x objectives, all of them can do measurement, indenter and objective switches motorized.
- Available to preset dwell time, illumination brightness.
- Motorized turret, close loop loading system and touch screen/control panel input.
- Innovative design of color touch screen, shows force selection, dwell time, hardness conversion, etc.
- Hardness result can be converted to HK, HBW, HRA, HRC, HV and superficial rockwell scales.
- Equips with blue tooth module, realize the wireless data transfer to computer and mini printer.
- In order to avoid operation error, optional measurement software MV-200S and MB is a good



Vision Measuring Machine

Application

- Mainly used to Test very thin materials like foils, thin pieces, coatings layers, etc;
- Measuring hardness of the surface of a part, small parts or small areas;
- Measuring individual micro-structures;
- Measuring the depth of case hardening by sectioning a part and making a series of indentations to describe a profile of the change in hardness.

Specification

Name		Digital Twin Vickers/Brinell Hardness Tester	
Model	Vicky VB-62.5		
Code#	821-300		
Brinell Force	Kgf	5、6.25、10、15.625、30、31.25、62.5	
	N	49.0、61.3、98.0、153.2、294.2、306.5、612.9	
Brinell Scales	HBW5/62.5、HBW2.5/62.5、HBW2.5/31.25、HBW2.5/15.625、HBW2.5/6.25、HBW1/30、HBW1/10、HBW1/5		
Vickers Force	Kgf	1、2、2.5、3、5、10、20、30、50	
	N	9.8、19.6、24.5、29.4、49.0、98.0、196、294、490	
Brinell Hardness Range	(8-450) HBS, (8-650) HBW		
Vickers Hardness Range	8HV-2967HV		
Loading Control	Automatic (Loading/Dwell/Unloading)		
Turret Control	Motorized Switch		
Magnification	Observation : 5x/10x; Measurement : 5x/10x		
Eyepiece	Digital Eyepiece 10x		
Dwell Time	Adjustable 1-60s		
Hardness Conversion Scales	HRC、HV、HBS、HBW、HK、HRA、HRD、HR15N、HR30N、HR45N、HS、HRF、HR15T、HR30T、HR45T、HRB		
Conversion Standard	ASTM、DIN		
Operation Language	Chinese, Language, German, Turkish, Korean, etc.		
LCD Screen	5.2" Color touch screen, Resolution:640*480		
Max Height of Specimen	170mm		
Instrument Throat	130mm		
Instrument Dimension	535 x190 x585mm		
Packing dimension	610 x450 x770mm		
Gross/Net Weight	47Kg/43Kg		
Power Supply	AC220V/50HZ;110V/60Hz		
Conform Standard	GB/T4340, ISO6506/6507, ASTM E10-12/E92 JIS Z2243		