

3842 HARDNESS TESTER

MACRO VICKERS HARDNESS TESTER

Starrett®

METROLOGY SOLUTIONS

The 3842 Macro Vickers Hardness Testers are precise testing systems suitable for hardness analysis of metallic specimens in laboratories or production environments. These Macro Vickers Hardness Testers are versatile and user-friendly systems, designed for the accurate hardness testing of small precision parts, thin materials, case hardened layers and all sorts of steel components. The 3842 Vickers Hardness Tester, which includes precision video and measurement software, is engineered to produce a clear indentation and a more precise measurement. By means of a load cell, closed circuit system for control, the CPU controls testing force to load/dwell/unload, allowing for the highest degree of accuracy. The large LCD shows the measuring methods, the testing force, the indentation length, hardness value, the dwell time of the testing force as well as the number of the measurement on its screen. All information such as diagonal lines length of indentation, hardness values, data statistics and hardness conversions can be displayed on the LCD as well as your laptop or PC.

FEATURES

- Includes video cam, adapter, and USB output cable
- Choice of 2-variants of measurement software
- Load range from 1kg - 50kg
- Conforms to ASTM E-384/92
- RS232 Output



3842A

Accessories Included

Base Machine
 Video Cam w/ Adapter
 Measurement Software
 Large Test Table
 "V" Shape Test Table
 10X Digital Micro Lens
 Bullseye Level
 Adjustable Screw
 Vicker Hardness Block
 RS232 Interface Line

Vickers Hardness Tester

Cat. No.	EDP	Description
3842A	02057	Vickers Hardness Tester w/ Manual Measurement Software
3842B	02058	Vickers Hardness Tester w/ Auto Measurement Software

Specifications

Testing Range	1HV~2967HV
Test Force	9.807, 19.61, 24.52, 29.42, 49.03, 98.07, 196.1, 249.2, 490.3 N 1, 2, 2.5, 3, 5, 10, 20, 30, 50 kgf
Max Height/Width of Specimen	6.7"/5.1" (170mm/130mm)
Lens Indenter Switch	w/ Manual Turret
Carriage Control	Automatic (loading /holding-up of the load/unloading)
Amplification of the Microscope	100x, 200x
Dwell Time	(0-60)S
Min. Graduation Value of the Testing Drum Wheel	0.125um
Output	Built-in RS-232 data output
Objective	10x, 20x, 40x selectable
Light Source/Power Supply	110/220v, 60/50Hz - Cold Light Source
Dimensions	21 x 9 x 23" (535mm x 230mm x 585mm)
Weight (Net/Shipping)	110lbs / 155lbs