



Hardness Testing Machines

Vickers Hardness Tester with Measurement Monitor

MV-10V

| | |
|-------------|---|
| Model | MV-10V |
| Code# | 821-101V |
| Standard | GB/T4340.2, EN-ISO6507, ASTME10-08,ASTME-384 |
| Certificate | CE |

MV-10V is upgrade product based on Vicky TV10 upgrade products, combined Vicky TV10 with Vickers hardness video measuring device. Indentation measurement is conducted on VicPad, Because the operator only needs to observe the monitor no longer used traditional ways of observation and measurement of optical Visual eyepiece, thus reducing the optical vision of the human eye fatigue, enhance the efficiency of the operator.



Feature & Application

- It adopts die-cast body, stability is much higher than in the mechanical performance of sheet metal welding machines;
- It is equipped with 10X and 40X HD lens and HD USB camera, the instrument measured images in optical imaging system and video of great quality;
- Combined with video measuring devices, It improves efficiency, reduces visual fatigue of the operator.

Application Range:

- Testing 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.



Hardness Testing Machines

Specification

| Product Name | | Vickers Hardness Tester with Measurement Monitor |
|--|-----|--|
| Model | | MV-10V |
| Code# | | 821-101V |
| Loading Force | N | 2.94、4.9、9.8、19.6、24.5、29.4、49.0、98.0 |
| | Kgf | 0.3、0.5、1、2、2.5、3、5、10 |
| Indentation Measuring Device | | MV-100 |
| Switch of Objectives and Pressure Switch | | Auto-turret |
| Loading Control | | Auto Loading, Dwell and Unloading |
| Magnification of Objective | | Observation : 10x/40x ; Measurement : 10x/40x |
| Video System | | iVicky 3.0 Auto Measuring Vickers System |
| Dwell Time | | 5-60s |
| Measuring Range | | 1HV-2967HV |
| X-Y Anvil | | Size : 100X100mm ; Travel:25mm X 25mm;Resolution : 2um |
| Maximum Height and Width of Specimen | | Maximum Height : 70mm; Maximum Width : 95mm |
| Power supply | | AC220/50Hz; AC110V/60Hz |
| Dimension | | 425X245X490mm |
| Gross/Net Weight | | 45kg/35Kg |
| Executive Standard | | GB/T4340.2, EN-ISO6507,ASTME10-08,ASTME-384 |