

DIGITAL MICRO-VICKERS HARDNESS TESTER (BASIC TYPE)

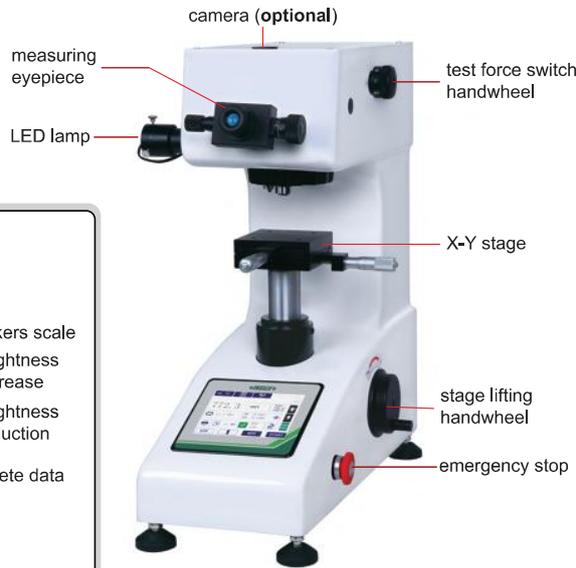
PART NO. HDT-MVE1300-U

TOUCH SCREEN

MOTOR DRIVEN TURRET

INSPECTION CERTIFICATE

- Touch screen color LCD display
- Data storage and average value calculation
- Automatical switch between the indenter and objective lens
- According to ISO 6507



step: 1

measure indentation diagonal lengths by measuring microscope

step: 2

input the indentation diagonal lengths, the hardness value is shown on screen automatically

all data settings

NO. 53

772.3 HV1

FORCE 1000 gf 9.807 N

converted scale 63.0 HRC

D1: 48.9665 D2: 49.0586

brightness increase brightness reduction

delete data

load dwell time upper and lower limit

10X 40X START

SPECIFICATION

| | |
|-------------------------------|--|
| Test force | 0.098N (10gf), 0.245N (25gf), 0.49N (50gf), 0.98N (100gf), 1.96N (200gf), 2.94N (300gf), 4.9N (500gf), 9.8N (1kgf) |
| Vickers scales | HV0.01, HV0.025, HV0.05, HV0.1, HV0.2, HV0.3, HV0.5, HV1 |
| Converted scales | HRA, HRB, HRC, HRD, HRF, HV, HK, HBW, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T |
| Range | 5~3000HV |
| Length measurement resolution | .00002"/0.5µm |
| Objective/indenter switch | motor driven turret |
| Stage lifting | manual |
| Load control | automatic (load/dwell/unload) |
| Load dwell time | 1~60 second |
| Objective | 10X, 40X |
| Eyepiece | 10X |
| Total magnification | 100X (for measurement or observation), 400X (for measurement) |
| Max. workpiece height | 3.54" |
| Max. testing width | 3.74" (from the center of indenter to the wall of main body) |
| X-Y stage | dimensions: 3.94"×3.94"mm, travel range: .98"×.98" |
| Power supply | 110V, 50/60Hz |
| Dimension | 20.08×11.42×22.44" |
| Weight | 88lb |

camera and measuring software (optional)



vice (included)



cylinder holder (included)



slice holder (included)



desk (optional)

STANDARD DELIVERY

| | |
|----------------------------------|-------------|
| Main unit | 1pc |
| 10X, 40X objective | 1pc of each |
| Micro vickers indenter | 1pc |
| Hardness test block 400~500HV0.2 | 1pc |
| Hardness test block 700~750HV1 | 1pc |
| Vice | 1pc |
| Slice holder | 1pc |
| Cylinder holder | 1pc |
| Anti-dust cover | 1pc |

OPTIONAL ACCESSORY

| | |
|----------------------------------|--------------|
| Hardness test block 400~500HV0.2 | HDT-B-HV02C |
| Hardness test block 700~750HV1 | HDT-B-HV1F |
| Knoop indenter | HDT-MV-KNOOP |
| Measuring system (manual) | HDT-CM-SW |
| Measuring system (automatic) | HDT-CM-AW |
| Desk | HDT-DESK |

*Measuring system includes camera and measuring software