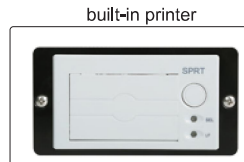
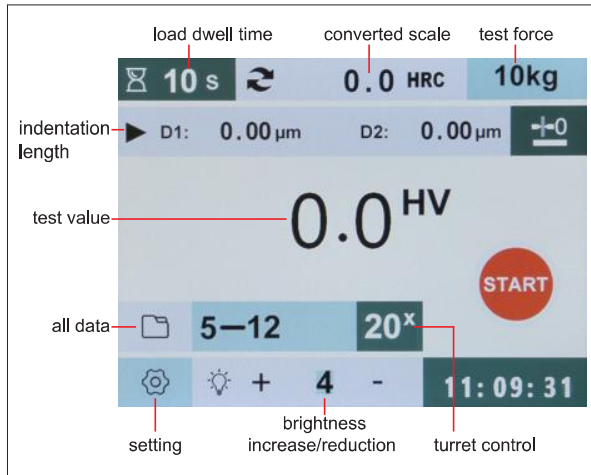


MOTORIZED DIGITAL VICKERS HARDNESS TESTERS

TOUCH
SCREEN

MOTOR DRIVEN
TURRET

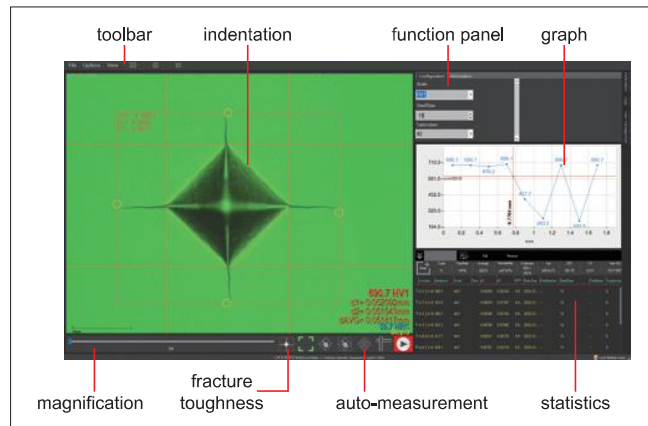
PRESS INPUT BUTTON TO HAVE
DIRECT READING OF HARDNESS



- According to ISO 6507, ASTM E92, JIS Z 2244
- Closed-loop loading control for superior test-force accuracy
- Touch screen color LCD display, group-based data storage
- Data storage and average value calculation
- Automatic switch between the indenter and objective lens
- Automatic Vickers measuring system optional

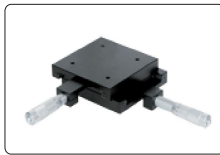
HDT-HV450

Vickers measuring software (optional)



camera (optional)





X-Y stage (included)



V-type anvil (included)



desk (optional)

SPECIFICATION

Part No.	HDT-HV410-U	HDT-HV450-U
Test force	2.94N(0.3kgf), 4.9N(0.5kgf), 9.8N(1kgf), 19.6N(2kgf), 24.5N(2.5kgf), 29.4N(3kgf), 49N(5kgf), 98N(10kgf)	4.9N(0.5kgf), 9.8N(1kgf), 19.6N(2kgf), 24.5N(2.5kgf), 29.4N(3kgf), 49N(5kgf), 98N(10kgf), 196N(20kgf), 294N(30kgf), 490N(50kgf)
Vickers scales	HV0.3, HV0.5, HV1, HV2, HV2.5, HV3, HV5, HV10	HV0.5, HV1, HV2, HV2.5, HV3, HV5, HV10, HV20, HV30, HV50
Converted scales	HK, HRA, HRBW, HRC, HRD, HREW, HRFW, HRGW, HRHW, HRKW, HR15N, HR30N, HR45N, HR15TW, HR30TW, HR45TW, HV, HK, HBS, HBW, HSD, HLD	
Range	1~3000HV	
Hardness value resolution	0.1HV	
Eyepiece	10X	
Objective	10X, 40X	10X, 20X
Total magnification	100X (for measurement or observation), 400X (for measurement)	100X (for measurement or observation), 200X (for measurement)
Length measurement resolution	2.36μm/0.06μm	4.72μm/0.12μm
Objective/indenter switch	motor driven turret	
Stage lifting	manual	
Load control	automatic (load/dwell/unload)	
Load dwell time	0~99 seconds	
Max. workpiece height	6.69"	
Max. testing width	5.12" (from the center of indenter to the wall of main body)	
X-Y stage	dimension: 3.94"×3.94", travel range: .98"×.98"	
Data output	built-in printer, RS232 interface	
Power supply	110V, 50/60Hz	
Dimension (L×W×H)	20.87×11.02×24.8"	
Net weight	77.16lb	

STANDARD DELIVERY

Part No.	HDT-HV410-U	HDT-HV450-U
Main unit	1 pc	1 pc
Objective	2 pc (fitted on unit)	2 pc (fitted on unit)
Vickers indenter	1 pc (fitted on unit)	1 pc (fitted on unit)
Hardness test block 400~500HV5	—	1 pc
Hardness test block 700~800HV30	—	1 pc
Hardness test block 700~800HV1	1 pc	—
Hardness test block 700~800HV10	1 pc	—
X-Y stage	1 pc	1 pc
V-type anvil	1 pc	1 pc
Anti-dust cover	1 pc	1 pc

OPTIONAL ACCESSORY

Hardness test block	
Desk	HDT-DESK
Measuring system (manual)*	HDT-ACM4-SW
Measuring system (automatic)*	HDT-ACM4-AW

*Measuring system includes camera and measuring software