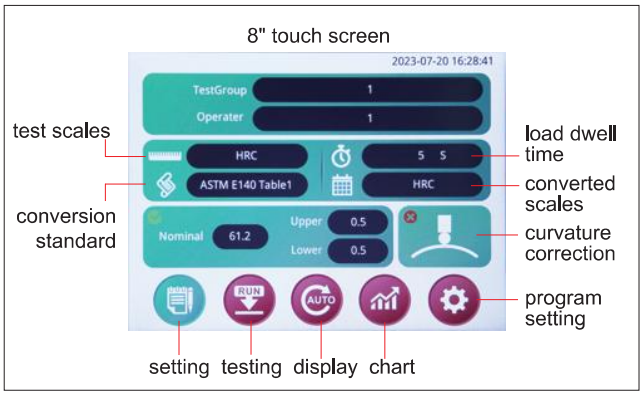
AUTOMATIC DIGITAL ROCKWELL/SUPERFICIAL ROCKWELL HARDNESS TESTERS

INSPECTION CERTIFICATE

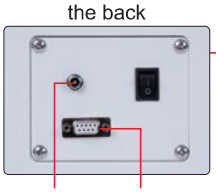
VIDEO

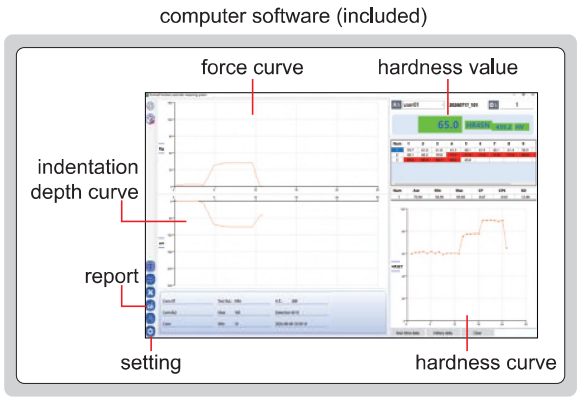
TOUCH SCREEN | AUTOMATIC LIFTING/ LOADING/UNLOADING | LARGE RANGE



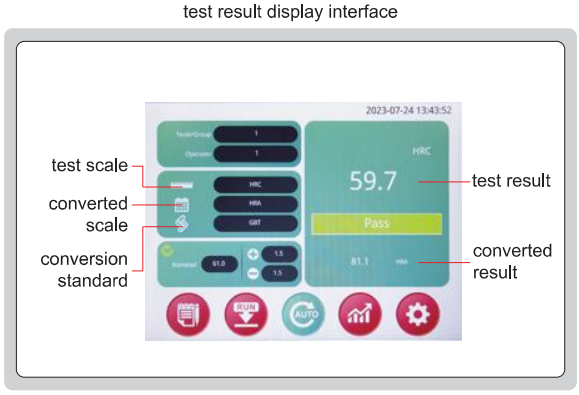


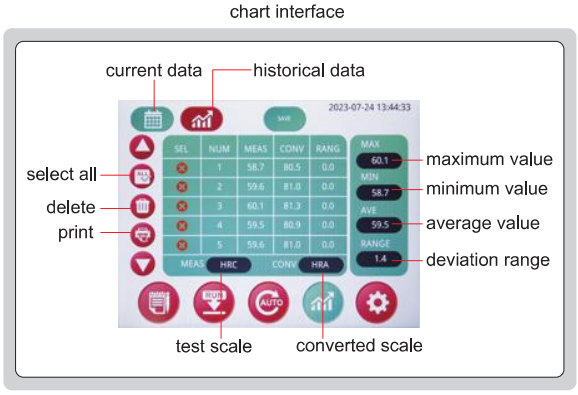
HDT-ST300





- Comply with test standards ISO 6508, JIS Z 2245
- Implement ISO, ASTM scale conversion standards, supporting HB, HV conversion
- Worktable (lead screw) auto-ascends/descends and applies test force for stable results
- 8-inch touch screen for operation and display
- Capable of testing 15 Rockwell hardness scales and optional Superficial Rockwell scales
- Main unit stores 500 data groups independently; data retained after power failure
- Hardness correction function available based on cylinder size
- Wireless data transmission system is optional





SPECIFICATION

Code		HDT-ST300	HDT-ST310	HDT-ST320
Type		Rockwell	Superficial Rockwell	Rockwell and Superficial Rockwell
Test range		20~95HRA, 10~100HRB, 10~70HRC, 40~77HRD, 60~100HRF, 30~94HRG	70~94HR15N, 42~86HR30N, 20~77HR45N, 67~93HR15T, 29~82HR30T, 10~72HR45T	20~95HRA, 10~100HRB,10~70HRC, 40~77HRD, 60~100HRF, 30~94HRG, 70~94HR15N, 42~86HR30N, 20~77HR45N, 67~93HR15T, 29~82HR30T, 10~72HR45T
Hardness scale	with indenter included	HRA, HRB, HRC, HRD, HRF, HRG	HR15N, HR30N, HR45N, HR15T, HR30T, HR45T	HRA, HRB, HRC, HRD, HRF, HRG, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T
	with optional indenter	HRE, HRH, HRK, HRL, HRM, HRP, HRR, HRS, HRV	HR15W, HR30W, HR45W, HR15X, HR30X, HR45X, HR15Y, HR30Y, HR45Y	HRE, HRH, HRK, HRL, HRM, HRP, HRR, HRS, HRV, HR15W, HR30W, HR45W, HR15X, HR30X, HR45X, HR15Y, HR30Y, HR45Y
Converted scales		HV, HK, HBW, HBS, HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRK, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T, HR15W, Scleroscope		
Preliminary test force		98N (10kgf)	29.4N (3kgf)	Rockwell: 98N (10kgf); Superficial Rockwell: 29.4N (3kgf)
Total test force		588N (60kgf), 980N (100kgf), 1471N (150kgf)	147N (15kgf), 294N (30kgf), 441N (45kgf)	Rockwell: 588N (60kgf), 980N (100kgf), 1471N (150kgf); Superficial Rockwell: 147N (15kgf), 294N (30kgf), 441N (45kgf)
Stage lifting		automatic up, down and return		
Load control		automatic (preliminary test force, total test force loading/holding/unloading)		
Resolution		0.1 HR		
Load dwell time		2~60 seconds		
Max. workpiece height		230mm		
Max. testing width		170mm (indenter to frame distance)		
Power supply		100~240V, 50/60Hz		
Dimension (L×W×H)		475×200×700mm		
Net weight		70kg		

STANDARD DELIVERY

Code	HDT-ST300	HDT-ST310	HDT-ST320
Main unit	1 pc	1 pc	1 pc
Diamond Rockwell indenter	1 pc	1 pc	1 pc
Ø1.5875mm carbide ball indenter	1 pc	1 pc	1 pc
Ø150mm flat anvil	1 pc	1 pc	1 pc
Ø58mm flat anvil	1 pc	1 pc	1 pc
V-type anvil	1 pc	1 pc	1 pc
Hardness test block HRC20~30	1 pc	—	1 pc
Hardness test block HRC40~50	1 pc	—	—
Hardness test block HRC60~70	1 pc	—	1 pc
Hardness test block HRBW80~100	1 pc	—	1 pc
Hardness test block HRA80~90	1 pc	—	—
Hardness test block HR15N80~90	—	1 pc	—
Hardness test block HR30N65~80	—	1 pc	1 pc
Hardness test block HR30TW70~85	—	1 pc	1 pc
Software	1 pc	1 pc	1 pc
Printer	1 pc	1 pc	1 pc
Anti-dust cover	1 pc	1 pc	1 pc

OPTIONAL ACCESSORY

Hardness test blocks	
Ø12.7mm carbide ball indenter	HDT-RT15-INDENTER1
Ø6.35mm carbide ball indenter	HDT-RT15-INDENTER2
Ø3.175mm carbide ball indenter	HDT-RT15-INDENTER3
Ø1.5875mm carbide ball indenter	HDT-RW160-HRB-INDENTER
Diamond Rockwell indenter	HDT-RW160-HRC-INDENTER
Wireless data transmission transmitter*	7315-HDT-M
Wireless data transmission receiver*	7315-2/3/6/7/8/9

*The wireless data transmission transmitter and receiver must be purchased together


Ø150mm flat anvil (included)


Ø58mm flat anvil (included)


V-type anvil (included)


printer (included)


wireless data transmitter **(optional)**