

AUTOMATIC DIGITAL ROCKWELL/SUPERFICIAL ROCKWELL HARDNESS TESTERS



TOUCH SCREEN

AUTOMATIC LIFTING/LOADING/UNLOADING

LARGE RANGE

test scales

standard selection

load dwell time

converted scales

hardness value correction

program setting

setting testing display chart

computer software (included)

report 1

report 2

setting

the back

power RS232 interface

8" touch screen

indenter

stage

start

down

up

HDT-ST300

- Comply with test standards ISO 6508, ASTM E18, JIS Z 2245
- Implement ISO, ASTM, GB 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

chart interface

chart data

test information

select all

delete

print

test scale

converted scale

maximum value

minimum value

average value

deviation range

test result display interface

test scale

converted scale

standard selection

test result

converted scale



Ø58mm flat anvil (included)



Ø150mm flat anvil (included)



V-type anvil (included)



printer (included)



wireless data transmitter (optional)

SPECIFICATION

Code		HDT-ST300	HDT-ST310	HDT-ST320
Type		Rockwell	Superficial Rockwell	Rockwell and Superficial Rockwell
Measurement range		20~95HRA, 10~100HRB, 10~70HRC	70~94HR15N, 42~86HR30N, 20~77HR45N, 67~93HR15T, 29~82HR30T, 10~72HR45T	Rockwell: 20~95HRA, 10~100HRB, 10~70HRC Superficial Rockwell: 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
Preliminary test force		Rockwell: 98N (10kgf)	Superficial Rockwell: 29.4N (3kgf)	Rockwell: 98N (10kgf) Superficial Rockwell: 29.4N (3kgf)
Test force		588N (60kgf), 980N (100kgf), 1471N (150kgf)	147N (15kgf), 294N (30kgf), 441N (45kgf)	588N (60kgf), 980N (100kgf), 1471N (150kgf), 147N (15kgf), 294N (30kgf), 441N (45kgf)
Stage elevation		automatic up, down and return		
Load control		automatic (initial test force, main test force loading/holding/unloading)		
Resolution		0.1 HR		
Load dwell time		2~60 second		
Max. workpiece height		230mm		
Max. testing width		170mm		
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 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 block	
Ø12.7mm carbide ball indenter	HDT-RT15-INDENTER1
Ø6.35mm carbide ball indenter	HDT-RT15-INDENTER2
Ø3.175mm carbide ball indenter	HDT-RT15-INDENTER3
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