MOTORIZED DIGITAL ROCKWELL/SUPERFICIAL ROCKWELL HARDNESS TESTERS

POPULAR MODEL

INSPECTION CERTIFICATE

FORCE LOADING BY ELECTRIC MOTOR (WITHOUT WEIGHTS)

TOUCH SCREEN

Ø58mm flat anvil (included)
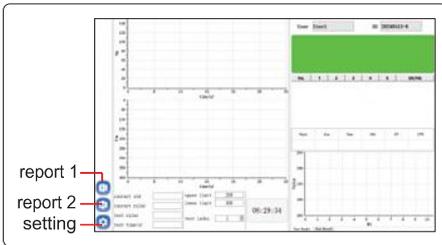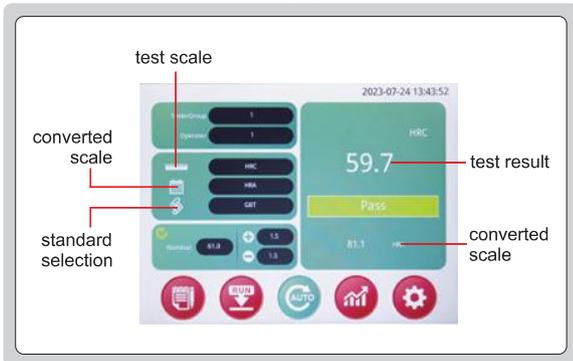
Ø150mm flat anvil (included)

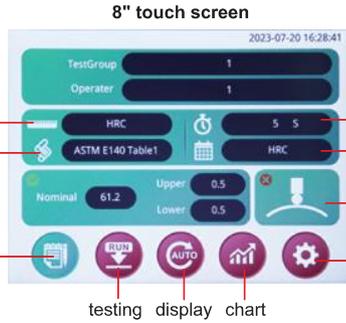V-type anvil (included)

printer (included)

8" touch screen

2023-07-20 16:28:41

- TestGroup 1
- Operater 1
- test scales — HRC
- standard selection — ASTM E140 Table1
- load dwell time — 5 5
- converted scales — HRC
- Nominal 61.2 Upper 0.5 Lower 0.5
- hardness value correction
- setting
- testing
- display
- chart
- program setting

indenter

stage

handlewheel

INSIZE
HDT-RT151

the back
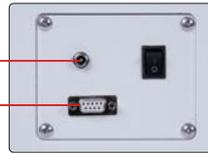
power

RS232 interface

HDT-RT151

computer software (included)

- report 1
- report 2
- setting
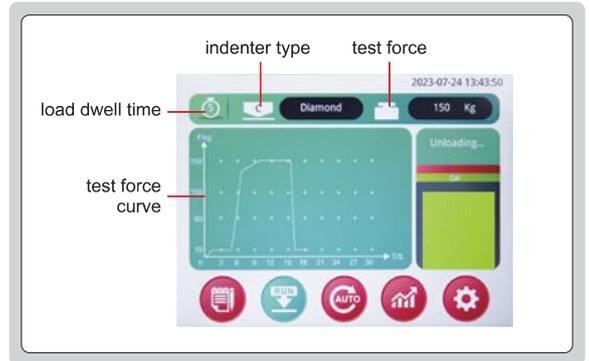
test interface

- indenter type
- test force
- load dwell time
- 2023-07-24 13:43:50
- Diamond 150 Kg
- test force curve
- Unloading...

test result display interface

- test scale
- converted scale
- standard selection
- 2023-07-24 13:43:52
- HRC
- HRC
- HRA
- GET
- 59.7
- test result
- Pass
- converted scale

chart interface
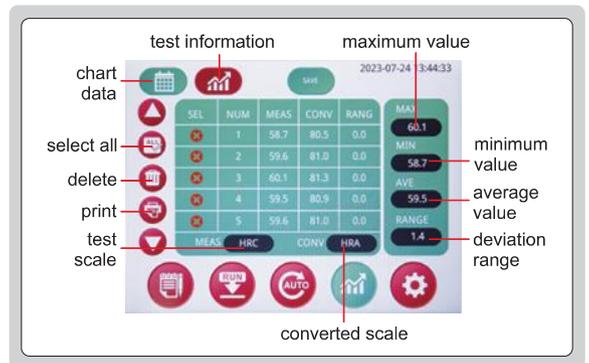
- test information
- maximum value
- chart data
- select all
- delete
- print
- test scale
- 2023-07-24 13:44:33

SEL	NUM	MEAS	CONV	RANG
	1	58.7	80.5	0.0
	2	59.6	81.0	0.0
	3	60.1	81.3	0.0
	4	59.5	80.9	0.0
	5	59.6	81.0	0.0

- MEAS HRC CONV HRA
- MAX 60.1
- MIN 58.7 — minimum value
- AVE 59.5 — average value
- RANGE 1.4 — deviation range
- converted scale

- Electronic loading test force, high accuracy of force value, and stable measurement value
- Touch screen operation and display, simple operation interface
- 15 types of Rockwell hardness scales can be tested
- Convertible to various hardness standards such as HB and HV
- 500 sets of storage
- With correction function, the hardness value can be corrected based on the size of the cylinders
- According to ISO 6508

SPECIFICATION

Part No.		HDT-RT151	HDT-RT152	HDT-RT153
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		98N/10kgf for Rockwell	29.4N/3kgf for Superficial Rockwell	98N/10kgf for Rockwell 29.4N/3kgf for Superficial Rockwell
Test force		588N (60kg), 980N (100kg), 1471N (150kg)	147N (15kg), 294N (30kg), 441N (45kg)	147N (15kg), 294N (30kg), 441N (45kg), 588N (60kg), 980N (100kg), 1471N (150kg)
Stage elevation		manual		
Load control		automatic (load/dwell/unload)		
Load dwell time		2~60 second		
Resolution		0.1HR		
Max. workpiece height		230mm		
Max. testing width		170mm		
Power supply		100~240V, 50/60Hz		
Dimension(L×W×H)		18.70×7.87×27.56″		
Net weight		154.32lb		

STANDARD DELIVERY

Part No.	HDT-RT151	HDT-RT152	HDT-RT153
Main unit	1 pc	1 pc	1 pc
Diamond indenter	1 pc	1 pc	1 pc
1/16″DIA carbide ball indenter	1 pc	1 pc	1 pc
5.91″DIA flat anvil	1 pc	1 pc	1 pc
2.28″DIA 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 HRC20~30	HDT-B-HRC1		Hardness test block HR30N55~73	HDT-B-HR30N2
Hardness test block HRC35~55	HDT-B-HRC2		Hardness test block HR30T73~82	HDT-B-HR30T
Hardness test block HRC60~70	HDT-B-HRC3		Ø12.7mm carbide ball indenter	HDT-RT15-INDENTER1
Hardness test block HRB88~100	HDT-B-HRB		Ø6.35mm carbide ball indenter	HDT-RT15-INDENTER2
Hardness test block HRA80~84	HDT-B-HRA		Ø3.175mm carbide ball indenter	HDT-RT15-INDENTER3
Hardness test block HR15N78~88	HDT-B-HR15N2			