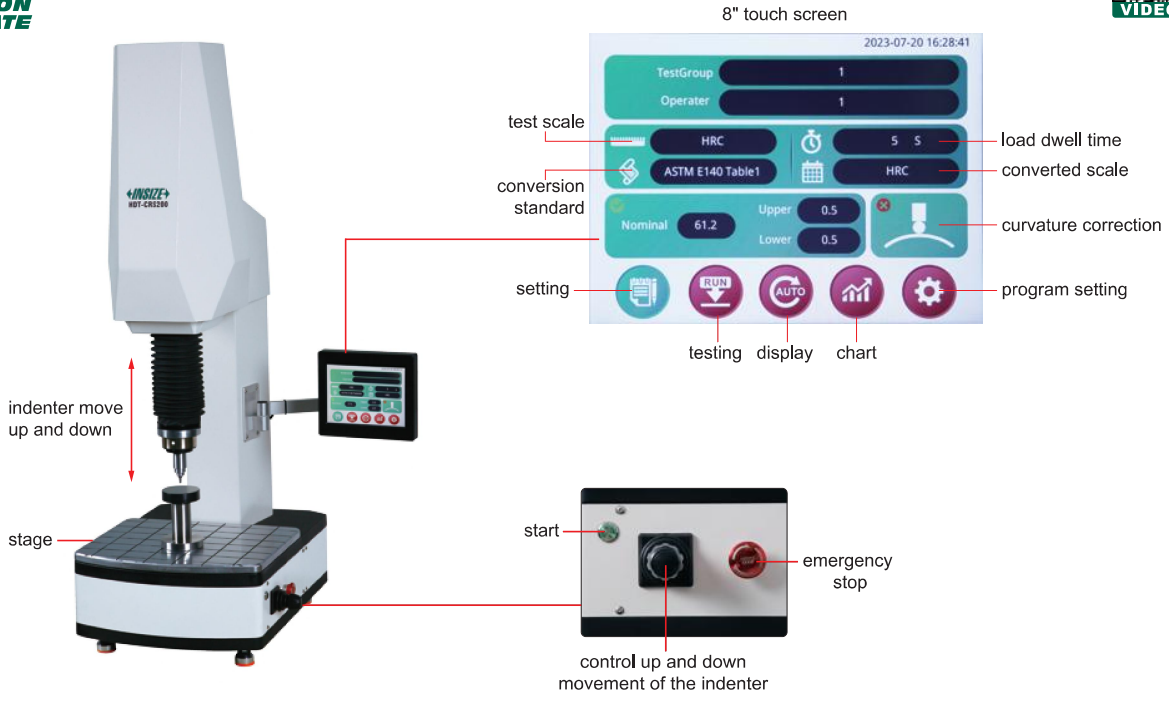
AUTOMATIC DIGITAL ROCKWELL/SUPERFICIAL ROCKWELL HARDNESS TESTER (ADVANCED TYPE) CODE HDT-CRS200

BUILT-IN BLUETOOTH | AUTOMATIC TEST | FORCE LOADING BY ELECTRIC MOTOR (WITHOUT WEIGHTS) | TOUCH SCREEN | HIGH ACCURACY | HIGH EFFICIENCY

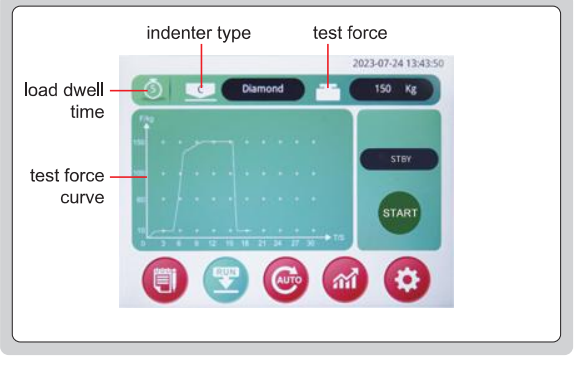
INSPECTION CERTIFICATE

VIDEO



- One click operation can obtain measurement results, enabling large-scale hardness measurement of workpieces
- CNC system, close-loop electronic control system applies test force
- Touch screen operation and display
- Cantilevered structure, achieving full automation of hardness measurement
- The big flat stage is convenient for testing and can work in conjunction with robotic arms and automation equipment to step up online hardness testing and achieve completely unmanned testing
- Bluetooth, RS232 data transmission to computer, data management using hardness management software
- According to ISO 6508, JIS Z 2245

test interface



test result display interface

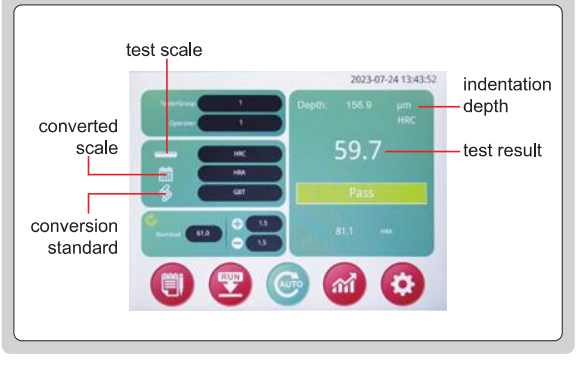
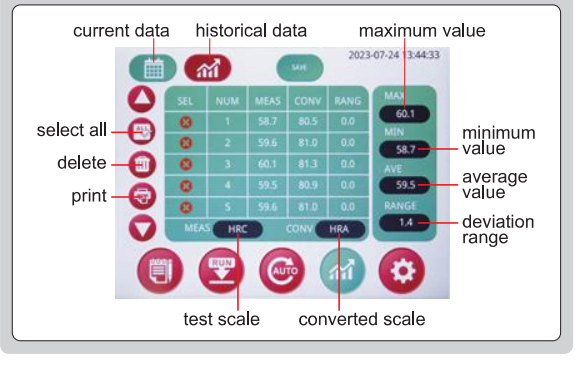


chart interface





Ø58mm flat anvil (included)



V-type anvil (included)



bluetooth printer (included)

SPECIFICATION

Test range		Rockwell: 20~95HRA, 10~100HRB, 10~70HRC, 40~77HRD, 60~100HRF, 30~94HRG 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
	with optional indenter	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		Rockwell: 98N (10kgf); Superficial Rockwell: 29.4N (3kgf)
Total test force		Rockwell: 588N (60kgf), 980N (100kgf), 1471N (150kgf), Superficial Rockwell: 147N (15kgf), 294N (30kgf), 441N (45kgf)
Test force accuracy		±1%
Operational mode		automatic
Load control		automatic (load/dwell/unload)
Resolution		0.05 HR
Load dwell time		0~99 seconds
Max. workpiece height		300mm
Max. testing width		200mm (indenter to frame distance)
Output		bluetooth printer, RS232
Power supply		220V, 50/60Hz
Dimension (L×W×H)		555×400×1250mm
Net weight		130kg

STANDARD DELIVERY

Main unit	1 pc
Diamond Rockwell indenter	1 pc
Ø1.5875mm carbide ball indenter	1 pc
Ø58mm flat anvil	1 pc
V-type anvil	1 pc
Hardness test block HRC20~30	1 pc
Hardness test block HRC60~70	1 pc
Hardness test block HRBW80~100	1 pc
Hardness test block HR30N60~85	1 pc
Hardness test block HR30TW70~85	1 pc
Software	1 pc
Bluetooth printer	1 pc
Anti-dust cover	1 pc

OPTIONAL ACCESSORY

Hardness test block	
Diamond Rockwell indenter	**HDT-CRS-INDENTER1**
Ø1.5875mm carbide ball indenter	**HDT-CRS-INDENTER2**
Ø12.7mm carbide ball indenter	**HDT-RT15-INDENTER1**
Ø6.35mm carbide ball indenter	**HDT-RT15-INDENTER2**
Ø3.175mm carbide ball indenter	**HDT-RT15-INDENTER3**
Desk	**HDT-DESK**