

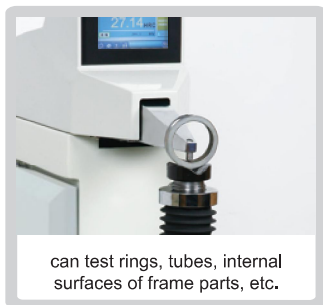
MOTORIZED DIGITAL ROCKWELL/SUPERFICIAL ROCKWELL HARDNESS TESTERS (DOLPHIN-NOSE TYPE)

FORCE LOADING BY ELECTRIC MOTOR (WITHOUT WEIGHTS)

TOUCH SCREEN

- Full closed-loop precise control, real-time monitoring of test force, greatly increase the accuracy
- Dolphin-nose structure indenter, more measuring space
- Measurements on 30 Rockwell and Superficial Rockwell scales
- Convertible to various hardness standards such as HB, HV, HLD, HK and tensile strength
- 250 sets of data are stored independently in the mainframe, which can be accessed at any time
- Mean, variance, maximum and minimum statistics are available
- USB communication port, can be connected to an external computer, measurement data Excel output
- Correction function automatically corrects the measurement results of curved parts
- Conforms to ISO 6508

INSPECTION CERTIFICATE

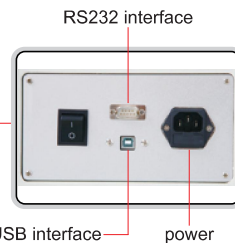


can test rings, tubes, internal surfaces of frame parts, etc.

workpiece demonstration



HDT-DM310



RS232 interface

USB interface

power



Ø150mm flat anvil (included)



V-type anvil (included)



integrated printer (optional)



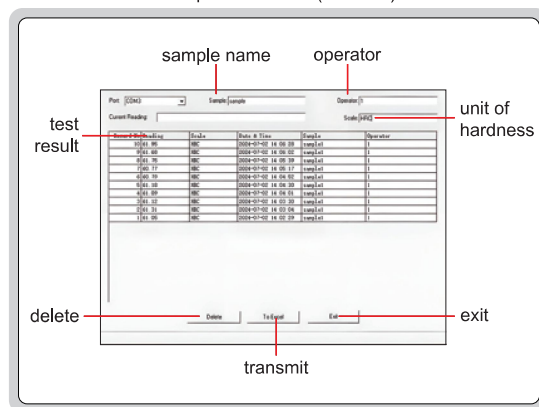
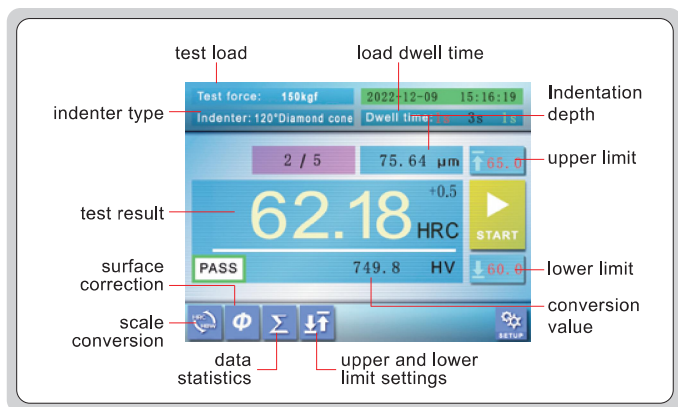
14mm high Rockwell Indenter (included)



4mm high Rockwell Indenter (optional)

test interface

computer software (included)



SPECIFICATION

Code		HDT-DM290	HDT-DM300	HDT-DM310
Type		Rockwell	Superficial Rockwell	Rockwell and Superficial Rockwell
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, HB, HRA, HRB, HRC, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T, HLD, ob,		
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		manual		
Load control		automatic (load/dwell/unload)		
Resolution		0.01 HR		
Load dwell time		2~250 seconds, can be set		
Max. workpiece height		290mm		
Max. testing width		220mm (indenter to frame distance)		
Max. bore depth		130mm		
Min. testing inner diameter		35mm		
Power supply		220V, 50/60Hz		
Dimension (L×W×H)		700×290×880mm		
Net weight		85kg		

STANDARD DELIVERY

Code	HDT-DM290	HDT-DM300	HDT-DM310
Main unit	1 pc	1 pc	1 pc
14mm high diamond Rockwell indenter (HDT-DM-14MM)	1 pc	1 pc	1 pc
Ø1.5875mm carbide ball indenter (HDT-DM-BALL)	1 pc	1 pc	1 pc
Ø150mm 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 HRC35~55	1 pc	—	1 pc
Hardness test block HRC60~70	1 pc	—	1 pc
Hardness test block HRB85~100	1 pc	—	1 pc
Hardness test block HRA80~88	1 pc	—	1 pc
Hardness test block HR15N89~91	—	1 pc	1 pc
Hardness test block HR15T88~93	—	1 pc	1 pc
Hardness test block HR30N74~80	—	1 pc	1 pc
Hardness test block HR30T70~82	—	1 pc	1 pc
Computer software and USB cable	1 pc	1 pc	1 pc
Anti-dust cover	1 pc	1 pc	1 pc

OPTIONAL ACCESSORY

Hardness test blocks	
4mm high diamond Rockwell indenter	HDT-DM-4MM
Ø3.175mm carbide ball indenter	HDT-DM-INDENTER1
Ø6.35mm carbide ball indenter	HDT-DM-INDENTER2
Ø12.7mm carbide ball indenter	HDT-DM-INDENTER3
Ø90mm flat anvil	HDT-DM290-FA
Ø230mm flat anvil	HDT-DM290-FB
Integrated printer (require pre-installation)	HDT-DM290-PT

*The minimum testing inner diameter is 25mm