

ROCKWELL HARDNESS TESTERS



7005 RHT-D



7005 RHT-E



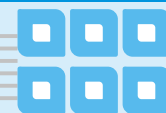
7005 RHT-M

DESCRIPTION

Vaiseshika Rockwell Testing Machines are highly reliable, accurate and durable hardness testing machines. These machines are used for determining the hardness of ferrous and non-ferrous metals with high reliability and accuracy. Vaiseshika Rockwell Testers are available in three models i.e. Digital, Electronic and Manual.

FEATURES : 7005 RHT-D

- It is an automatic and intelligent Hardness Testing Machine, except to lift up the anvil to touch the specimen and select the test force : 60 Kgf (588.4N), 100 Kgf (980.7N) and 150 Kgf (1471N) in hand-knob manually. The other operations are entirely automatic.
- The testing force, the process of loading, dwell and unloading, the hardness testing value, and the corresponding converted scale are displayed on LCD screen automatically.
- This system will remind the operator to select the corresponding testing force and indenter after scales choosing. The automatic hardness testing and digital 0.1 HR resolution display avoids the man-made error and enhance the measuring accuracy.
- Its force knob adopts the metal material to replace the plastic material. It improves the instrument's usable life greatly.
- It facilitates hardness conversion among 14 hardness scales : HRA, HRB, HRC, HRD, HRF, HV, HK, HBW, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T. It doesn't need the operator to trace and check the fussy hardness comparison table again.
- This hardness tester saves, displays and analyzes the value of maximum, minimum, average and tolerance automatically. The mini-printer (optional) prints the main measuring data automatically, and it supports PC communication in RS232 interface.



DIGITAL ROCKWELL HARDNESS TESTER

SPECIFICATION : 7005 RHT-D

Rockwell Scale	HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRH, HRK, HRL, HRM, HRR
Preliminary Test Force	10Kg (98.07N)
All Testing Force	60Kgf (588.4N), 100 Kgf (980.7N), 150Kgf (1471N)
Hardness Indication	Digital LCD Display
Hardness Resolution	0.1 HR
Dwell Time	Adjustable 1 - 60 S
Auto Hardness Conversion	HRA, HRB, HRC, HRD, HRF, HV, HK, HBW, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T
Max. Height of Specimen	175mm
Instrument throat	165mm
Dimensions (L x W x H)	520x215x700mm
Packing Dimensions	630x440x960mm
Gross / Net Weight	120 / 90Kg
Power Supply	AC220V / 50Hz; 110V / 60Hz
Accuracy	Conform to GB/T230.2; ASTM E-18; ISO6508



Display Panel



Ø150mm flat anvil



Ø55mm flat anvil and V-shape anvil



Hardness Blocks



Indenter Protective Device



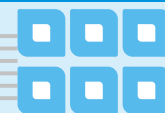
Rockwell Indenters

STANDARD EQUIPMENT

Instrument main body	Hardness block (57-70) HRC	Weight A
Ø1.588mm ball indenter	Hardness block (85-100) HRB	Weight B
Ø1.588mm steel ball	Instrument Manual	Weight C
Ø150mm flat anvil	Instrument Fuse	Accessories Box
Cone diamond indenter	Power Cable	

OPTIONAL ACCESSORIES

Mini Printer : RD-100	Small Flat Anvil : RD-150	Ø1/8" Steel Ball : RD-200
Hardness block (20-33) HRC : RD-110	1/8" Steel Ball Indenter : RD-160	Ø1/4" Steel Ball : RD-210
Ø55mm V-shape anvil : RD-120	1/4" Steel Ball Indenter : RD-170	Ø1/2" Steel Ball : RD-220
Ø55mm flat anvil : RD-130	½" Steel Ball Indenter : RD-180	
Ø100mm Flat Anvil : RD-140	Ø1/16" Steel Ball : RD-190	



ELECTRONIC ROCKWELL HARDNESS TESTER

FEATURES : 7005 RHT-E

- 7005 RHT-E analogue gauge resolution is 0.5 HR. It is useful to improve the reading accuracy than traditional 1 HR resolution.
- Dwell time from 1 to 60 sec. can be setup by the "time key" on the panel. It is much convenient than the setup on the manual hardness tester .
- Force knob adopts the metal material to replace the plastic which improves the instrument usable life a lot.
- Loading, dwell and unloading is driven by electronic motor automatically, doesn't need the operator to handle it. It eliminates the human operating error maximumly.
- Indenter protector is available to safeguard the indenter..

SPECIFICATION : 7005 RHT-E

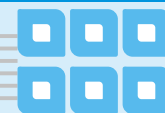
Rockwell Scale	HRA, HRB, HRC
Preliminary Test Force	10Kg (98.07N)
All Testing Force	60Kgf (588.4N), 100 Kgf (980.7N), 150Kgf (1471N)
Hardness Indication	Analogue Display
Hardness Resolution	0.5 HR
Dwell Time	Adjustable 1 - 60S
Max. Height of Specimen	175mm
Instrument Throat	165mm
Dimensions (L x W x H)	520x215x700mm
Packing Dimensions	630x440x960mm
Gross / Net Weight	120 / 90Kg
Power Supply	AC220V / 50Hz; 110V / 60Hz
Accuracy	Conform to ASTM E-18; ISO6508

STANDARD EQUIPMENT

Instrument main body	Hardness block (57-70) HRC	Weight A
Accessories Box	Hardness block (85-100) HRB	Weight B
Ø1.588mm ball indenter	Ø150mm flat anvil	Weight C
Ø1.588mm steel ball	Instrument Manual	Instrument Fuse
Cone diamond indenter	Power Cable	

OPTIONAL ACCESSORIES

Hardness block (20-33) HRC : RD-110	Small Flat Anvil : RD-150	Ø1/16" Steel Ball : RD-190
Ø55mm V-shape anvil : RD-120	1/8" Steel Ball Indenter : RD-160	Ø1/8" Steel Ball : RD-200
Ø55mm flat anvil : RD-130	1/4" Steel Ball Indenter : RD-170	Ø1/4" Steel Ball : RD-210
Ø100mm Flat Anvil : RD-140	1/2" Steel Ball Indenter : RD-180	Ø1/2" Steel Ball : RD-220



MANUAL ROCKWELL HARDNESS TESTER

FEATURES : 7005 RHT-M

- 7005 RHT-M analogue gauge resolution is 0.5 HR. It is useful to improve the reading accuracy than traditional 1 HR resolution.
- Force knob adopts the metal material to replace the plastic which improves the instrument usable life a lot.
- Loading, dwell and unloading is buffering by oil pump. It eliminates the operators tiredness.

SPECIFICATION : 7005 RHT-M

Rockwell Scale	HRA, HRB, HRC
Preliminary Test Force	10Kg (98.07N)
All Testing Force	60Kgf (588.4N), 100 Kgf (980.7N), 150Kgf (1471N)
Hardness Indication	Analogue Display
Hardness Resolution	0.5 HR
Dwell Time	Adjustable 1 - 60S
Max. Height of Specimen	175mm
Instrument Throat	165mm
Dimensions (L x W x H)	520x215x700mm
Packing Dimensions	630x440x960mm
Gross / Net Weight	120 / 90Kg
Power Supply	AC220V / 50Hz; 110V / 60Hz
Accuracy	Conform to ASTM E-18; ISO6508

STANDARD EQUIPMENT

Instrument main body	Hardness block (57-70) HRC	Weight A
Ø1.588mm ball indenter	Hardness block (85-100) HRB	Weight B
Ø1.588mm stell ball	Cone diamond indenter	Weight C
Ø150mm flat anvil	Accessories Box	Anti-dust Cover

OPTIONAL ACCESSORIES

Hardness block (20-33) HRC : RD-110	Small Flat Anvil : RD-150	Ø1/16" Steel Ball : RD-190
Ø55mm V-shape anvil : RD-120	1/8" Steel Ball Indenter : RD-160	Ø1/8" Steel Ball : RD-200
Ø55mm Flat anvil : RD-130	1/4" Steel Ball Indenter : RD-170	Ø1/4" Steel Ball : RD-210
Ø100mm Flat Anvil : RD-140	1/2" Steel Ball Indenter : RD-180	Ø1/2" Steel Ball : RD-220

Manufacturer :

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