

IDM[®]

instruments

پتروفرفهان گستر جنوب

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HR-150A/HRM-45



HR-150DT/HRM-45DT/XHR-150



HRS-150/HRMS-45

Rockwell Hardness Testers

Rockwell hardness test is a simple instrument to test the hardness value of hard metals, carburized steels, quenched steels, hard cast irons, mild steels, Al-alloys, Cu-alloys and malleable irons according to Rockwell Principle according to ISO 6508 and ASTM E18. It measure the depth difference between the primary and testing load and convert the depth difference to the hardness value. These machines can be operated semi-automatically. They are essential testing instruments for quality testing section, university and college, research institution and industrial laboratory.

Model HR-150A is Rockwell tests, scales A-B-C. (60/100/150kgf) with dial indicator and hand control loading.

Model HR-150DT is Rockwell test with scales A-B-C (60/100/150kgf) with dial indicator and motor control loading.

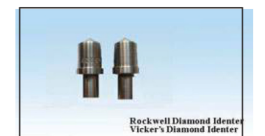
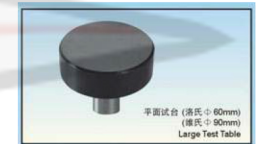
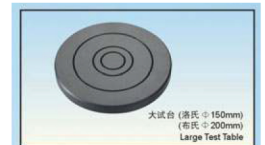
Model HRS-150 is Rockwell test with scales A-B-C (60/100/150kgf) with digital indicator and motor control loading. Hardness value convert to HV, HB.

Model HRM-45 is superficial Rockwell test scales N & T (15/30/45kgf) with dial indicator and hand control loading.

Model HRM-45DT is superficial Rockwell test scales N & T (15/30/45kgf) with dial indicator and motor control loading.

Model HRMS-45 is superficial Rockwell test scales N & T (15/30/45kgf) with digital indicator and motor control loading. Hardness value convert to HRA, HRB, HRC, HV, HB

Model XHR-150 can do the test plastic hardness according to ISO 2039-2 and ASTM D785. It test scales including HRR, HRL, HRM, HRE, HRK with dial indicator and motor control loading.



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Specifications

Description	HR-150A	HR-150DT	HRS-150	HRM-45	HRM-45DT	HRMS-45	XHR-150
Preliminary test force	98N (10Kgf)	98N (10Kgf)	98N (10Kgf)	29.4N (3Kgf)	29.4N (3Kgf)	29.4 N(3 kgf)	98 (10 kgf)
Total test force dwell time	588N(60Kgf) 980N(100Kgf) 1470N(150Kgf)	588N(60Kgf) 980N(100Kgf) 1470N(150Kgf)	588N(60Kgf) 980N(100Kgf) 1470N(150Kgf)	147N(15Kgf) 294N(30Kgf) 441N(45Kgf)	147N(15Kgf) 294N(30Kgf) 441N(45Kgf)	147.1(15kgf) 294.2 (30kgf) 441.3 (45kgf)	588.4(60kgf) 980.7(100kgf) 1471 (150kgf)
Total test force dwell time	1-30S	1-30S	1-30S	1-30S	1-30S	2-60S	2-60S
Hardness indication	Dial	Dial	Digital	Dial	Dial	Digital	Dial
Max height of specimens	170 mm	170 mm	170 mm	170mm	170mm	170mm	175mm
Max width of specimens	160mm	160mm	160mm	160mm	160mm	160mm	160mm
Dimension(DXWXH) (mm)	500×150×750	500×150×750	500×150×750	500×150×750	500×150×750	520×215×700	520×215×700
Net Weight	85Kg	85Kg	85Kg	80Kg	80Kg	80kg	80kg
Power Supply	No need	AC220V 50/60HZ		No need	AC220V 50/60HZ		
Standard Accessories	Diamond Rockwell indenter (1), φ1.5875mm hardness ball indente r(1), Standard Rockwell hardness block (3),			Diamond Rockwell indenter (1), φ1.5875mm hardness ball indente r(1), Rockwell Hardness Block (HRN, HRT) (2)		Steel Ball Indenter(φ 3.175 , φ6.35 , φ12.7) Steel Ball (each 2) Rockwell Hardness Block(HRE,HRL,H RM,HRR) (4)	
	Testing table (big, medium, "V") (total 3), Weight (a 60kg, b 100kg , c 150kg)						

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