SC METROMAT SRL

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Durimetrul stationar Verzus 710RS/RSB



Overview of model configurations

710RS versus 710RSB

710RS

Rockwell
Superfical Rockwell
HVT(Vickers depth reading)
HBT (Brinell depth reading)
Plastic scales according to ISO 2039 1 & 2

710RSB

Rockwell
Superfical Rockwell
Brinell
HVT(Vickers depth reading)
HBT (Brinell depth reading)
Plastic scales according to ISO 2039 1 & 2

Scales and testing methods, depending on force configuration

Rockwell - DIN EN ISO 6508, ASTM E-18



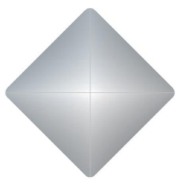
PRE LOAD 3kgf & 10kgf
MAIN LOAD 15kgf, 30kgf, 45kgf, 60kgf, 100kgf & 150kgf

Brinell - DIN EN ISO 6506, ASTM E-10



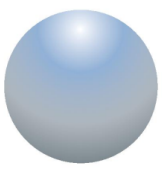
HB1/1kgf, HB1/1.25kgf, HB1/2.5kgf, HB1/5kgf, HB1/10kgf, HB1/30kgf;
HB2.5/6.25kgf, HB2.5/7.8125kgf, HB2.5/15.625kgf, HB2.5/31.25kgf, HB2.5/62.5kgf, HB2.5/187.5kgf
HB5/25kgf, HB5/31.25kgf, HB5/62.5kgf, HB5/125kgf, HB5/250kgf
HB10/100kgf, HB10/125kgf, HB10/250kgf

HVT (Vickers depth)



HV5 HV10 HV20 HV30 HV50 HV100 HV120

HBT (Brinell depth)



HBT1/5kgf, HBT1/10kgf, HBT1/30kgf;
HBT2.5/6.25kgf, HBT2.5/15.625kgf, HBT2.5/31.25kgf, HBT2.5/62.5kgf, HBT2.5/187.5kgf
HBT5/25kgf, HBT5/31,25kgf, HBT5/62,5kgf, HBT5/125kgf, HBT5/250kgf
HBT10/100kgf, HBT10/125kgf, HBT10/250kgf

Ball indentation - ISO-2039, ASTM D-785



49N, 132N, 358N, 961N

Technical specifications

Hardness scales RS	Rockwell and Superficial Rockwell all scales, HVT, HBT, Ball indentation
Hardness scales RSB	Rockwell and Superficial Rockwell and all Brinell scales (1kgf/9.8N to 250kgf/2452N)
Load application	Load cell, force feedback, closed loop system
Rockwell Pre load	3kgf and 10kgf
Rockwell main load	15kgf, 30kgf, 45kgf, 60kgf, 100kgf, 150kgf
Rockwell test scales	A, B, C, D, E, F, G, H, K, L, M, P, R, S, V
Superficial Rockwell scales	15N, 30N, 45N, 15T, 30T, 45T, 15W, 30W, 45W, 15X, 30X, 45X, 15Y, 30Y, 45Y
Brinell test load (RSB model)	1kgf/9.8N to 250kgf/2452N
Brinell test scales (RSB model)	HB1: 1kgf/9.8N, 1.25kgf/12.25N, 2.5kgf/24.5N, 5kgf/49N, 10kgf/98N, 30kgf/295N; HB 2.5: 6.25kgf/61.29N, 7.8125kgf/76.61N, 15.625kgf/153.2N, 31.25kgf/306.45N, 62.5kgf/612N, 187.5kgf/1838N; HB5: 25kgf/245.16N, 31.25kgf/306.45N, 62.5kgf/612N, 125kgf/1225N, 250kgf/2452N; HB10: 100kgf/980.7N, 125kgf/1225N, 250kgf/2452N;
HVT test scales	HV5, HV10, HV20, HV30, HV50, HV100, HV120
HBT test scales	HBT1/5kgf, HBT1/10kgf, HBT1/30kgf; HBT2.5/6.25kgf, HBT2.5/15.625kgf, HBT2.5/31.25kgf, HBT2.5/62.5kgf, HBT2.5/187.5kgf; HBT5/25kgf, HBT5/31,25kgf, HBT5/62,5kgf, HBT5/125kgf, HBT5/250kgf; HBT10/100kgf, HBT10/125kgf, HBT10/250kgf;
Ball indentation	49N, 132N, 358N, 961N
Operating system	MS Windows® Embedded , INNOVATEST IMPRESSIONS LT, 32Gb SSD harddrive for data storage
Display	6.5" full color industrial touch screen, testing results, statistics, can also be operated by mouse and keyboard
Display overview	Conversion to other hardness scales such as Brinell, Vickers, Leeb, UTM. convex, concave adjustment, machine settings, calibration
Standards	Meets or exceeds ISO, ASTM, JIS standards
Test cycles	Motorized, fully automatic, Pre load, Load, Dwell, Unload process
Indenters	Rockwell Diamond Cone: 120° Rockwell balls: 1/16", 1/8", 1/4", 1/2" Brinell Balls: 1mm, 2.5mm, 5mm, 10mm
Dwell time	Pre-load 1-99 seconds, Main load 1-99 seconds, Recovery 1-99 seconds
Connectivity	USB-2 (3x), LAN RJ45, WLAN (Optional), Wi-Fi onboard (Optional), Bluetooth (Optional)
Service connection	Software service over internet "INNOVATEST Team Viewer" pre-installed
Printer	Any MS Windows® supported printer
Optical system RSB	BIOS, Brinell Indent Optical Scanner (RSB)
Workpiece accommodation	Vertical capacity 300mm Horizontal capacity 200mm (from indenter center-line)
Operating temperature	10°C to 35°C, non-condensing
Machine dimensions	290mm x 592mm x 895mm (WxDxH)
Max. workpiece weight	100kg
Machine weight	91kg
Power supply	100V AC to 240V AC, 50Hz/60Hz, single phase

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