



HR-610A mm/inch main unit ISO-JIS-ASTM

Item number: 810-512-23

Images



Specification

Model:	HR-610A
Applicable standards:	
Applicable standards Rockwell :	ISO 6508-2, ASTM E18, JIS B7726
Applicable standards Plastic materials :	ISO 2039-2, ASTM D785 A, ASTM D785 B, JIS K7202-2
Applicable standards Brinell :	ISO 6506-2, ASTM E10, JIS B7724
Applicable test methods:	
Applicable Rockwell scales :	HRA; HRD; HRC; HRFW; HRBW; HRGW; HRHW; HREW; HRKW; HRLW; HRMW; HRPW; HRRW; HRSW; HRVW; HR15N; HR30N; HR45N; HR15TW, HR30TW; HR45TW; HR15WW, HR30WW; HR45WW; HR15XW, HR30XW; HR45XW; HR15YW, HR30YW; HR45YW
Applicable Plastic test scales Rockwell :	HRR;HRL; HRM; HRE; HRK
Applicable Brinell scales :	HBW2.5/62.5; HBW5/62.5;HBW 10/100; HBW 5/125; HBW 1/2,5; HBW 2.5/187.5 Brinell indentations only - accessories required
Applicable Brinell depth measurement scales :	HBDW2,5/62,5; HBDW2,/187,5
Machine Control:	
Control method :	5,7" touch screen display control (standard) or AVPAK software (optional)

Test Control :	Test execution at the touch of a button
Software functions Touch screen :	4 display formats (standard screen, list screen with average hardness, simplified screen, multi position test if stage connected), Turret control, test force control, calculation of Vickers, Knoop and Brinell hardness, KC fracture toughness, , GO/NG judgment, test set-up, test condition guide, curve and user correction, hardness conversion, statistics calculation
Software functions AVPAK :	Stage control, guide Function for single test, curved surface compensation, hardness conversion, part programming, report creation, external data output, StatusMonitor compatibility, automation capability (FORMEIO interface software required)
Language support :	Japanese, English, German, French, Italian, Spanish, Korean, Simplified Chinese, Traditional Chinese, Turkish, Portuguese, Polish, Czech, Hungarian, Dutch, Russian, (Thai AVPAK only)
Resolution :	0,01 HR (settable)
Data output:	
MeasurLink capability :	yes
Data output :	RS-232C, SPC Digimatic D-type connection, USB (PDF and Excel if controlled by AVPAK)
Test force:	
Preliminary test force :	29,42N/3kg and 98,07N/10kg
Preliminary test force switching :	Software
Test Force Range :	29,42- 1839N (3-187,5kg)
Test force generation :	Load cell
Test force switching :	Software
Duration time :	1-120 1 s. increments
Test cycle :	Fully automatic
XYZ axis:	
XY stage :	x-axis optional
Z-axis :	motorized
Range Z-axis :	250 mm
Functional dimensions:	

Stage/Anvil adaption :	Ø10 mm
Max. specimen height :	250 mm
Throat depth :	220 mm
Maximum specimen weight :	100 kg

Main unit data:

External dimensions WxDxH :	350x681x935 mm
Mass main unit :	176 kg
Power supply :	AC adapter 100 -240V, 50/60Hz Auto-selection
Power consumption W :	100
Operation temperature °C :	5-40
Relative humidity RH :	65% or lower without condensation
Vibration Frequency :	5Hz or lower

Standard accessories:

Diamond indenter :	not included
Reference material :	not included
Flat anvil :	Basic test surface 200x200mm
Inspection certificate :	included
Power cord :	not included
