

Duramin-160		
Hardness methods	Vickers	HVT - Vickers depth
	Knoop	N/A
	Brinell	HBT - Brinell depth
	Rockwell	ISO 6508 ASTM E18 JIS Z 2245
Force range		9.8 - 2451 N (1 - 250 kgf)
Test force	Force application	Fully automatic, closed loop (loading, dwelling, unloading)
	Test force tolerance	0.5 %
	Dwell time settings	Adjustable 1 to 99 s
Turret		1
Electrical data	Power supply	100 V AC - 240 V AC, 50 / 60 Hz, single phase
	Power consumption load	29 W
	Power consumption idle	23 W
	Power consumption max. load	30 W
Dimensions	Width	291 mm (11.5")
	Depth	580 mm (22.8")
	Height	855 mm (33.7")
Weight	Duramin-160	146 kg (322 lbs)
	Duramin-160 Z	156 kg (344 lbs)
Read method		Automated
Overview camera resolution		N/A
Overview camera field of view		N/A
Measurement camera resolution		N/A
Positions in nosepiece		1
Max no. of indenters		1
Max no. of objectives		N/A
Indenter shaft	Diameter	6.35 mm
Standard objectives included		N/A

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Z-Axis		Manual (motorized optional)
Anti-collision protection		No
XY-stage / anvil	Standard delivery	Ø 80 mm (3.1"), exchangeable
Auto illumination		No
Stage illumination		Yes
Laser/LED guide		No
Software	Operating software	Windows 10 IOT LTS
	Integrated PC	Embedded Windows PC
	Monitor	6.5" portrait mode capacitive touch screen
	Dual view	No
	Possibility to connect printer	No
	Ethernet connection	Yes
	Data export	UTP network, USB A 3.0, USB A 2.0, Bluetooth
System	Data output	CSV, PDF
Software modules		Total test, max, min, average, range, standard deviation, all in real time after each test
Sample height		315 mm (12.4")
Throat depth		195 mm (7.7")
Safety standards		CE labeled according to EU directives
REACH		For information about REACH. contact your local Struers office
Operating environment	Surrounding temperature	10 - 35°C (50 - 95°F)
	Humidity	10% - 90% RH non-condensing
Safety Circuit Categories/Performance Level	Emergency stop	EN ISO 13849-1 PL c, Category 1 Stop category 0
Noise level	A-weighted sound emission pressure level at workstations	< 70 dB(A)
Vibration level	During operation	Total vibration exposure to upper parts of the body does not exceed 2.5 m/s².