Struers
Ensuring Certainty

TECHNICAL DATA

Duramin-160

		Duramin-160
Hardness methods	Vickers	NA
	Knopp	NA
	Brinell	Optional
	Rockwell - optional	ISO 6508 ASTM E18 JIS Z 2245
Force range		9.8 - 2451 N (1 - 250 kgf)
Test force	Force application	Fully automatic, closed loop, force feedback, loading, dwell, 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 consumptio 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		NA
Overview camera field of view		NA
Meassurement camera resolution		NA
Positions in nosepiece		1
Max no. of indenters		1
Max no. of objectives		NA
Indenter Shaft	Diameter	6.35 mm
Standard objectives included		NA

Struers
Ensuring Certainty

TECHNICAL DATA

Duramin-160

		Duramin-160
Z-Axis		Manual (Motorized optional)
Anti-colission protection		No
XY Stage / Anvil		Anvil
Stage Size		Ø 80 mm (3.1")
Stage Stroke (travel range)		NA
Auto Illumination		No
Stage Illumination		Yes
Laser/LED Guide		No
Software	Operating software	Windows 10
	Integrated PC	Embedded Windows PC
	Monitor	6.5” portrait mode capacitive touch screen
	Dual view	No
	Possibility to connect printer	No
	Ethernet Connection	No
	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 labelled 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.

Doc. no.: 16627750_B_en
Date of release: 2024.12.16