

UVX3D 110

Data Sheet



UVX3D is the natural successor to previous generation Imetrum extensometers.

110 Model Specifications

Extensometer measurement applications	Uniaxial; Tensile, Compressive, Flexural or Shear Biaxial; Transverse, Dual-Average			
Measurement modes	Strain (%), Extension (mm), Displacement (mm), Positions (mm), Rotation (°), Poisson's ratio, Strain map.			
Field of view (Cuboid listed in mm) (Width varies with data rate)	Preset:	120 Hz	500 Hz	1000 Hz
	110H x 40D x	94W	23W	11W
Resolution	<0.5 μ m			
Extensometer accuracy class	Meets or exceeds ISO 9513 Class 0.5 and ASTM E83 Class B-1 capable			
Verified gauge lengths	10 to 80 mm			
Frame capture rate	Presets at 120, 500, 1000 Hz (1000 Hz measurements in post-processing only)			
Minimal specimen width	Axial; 2.1 mm Transverse; 12 mm			
Minimal recommended specimen parallel section	12 mm			
Maximum tracking speed	2500 mm/min			
Strain control	Real-time low latency strain data at presets of 120 and 500 Hz. Compliant to ISO 6892 and ASTM E8			
Operating distance	320 to 360 mm			
Strain signal interface	Analogue $\pm$ 10V BNC available via NI DAQ interface			
Supported mark types*	Bullseyes, Dots, Rings, Speckles and natural patterns			
Recommended specimen temperature range	-100 to +370°C			
Dimensions	193H x 192D x 210W mm			
Weight (UVX3D module only)	3.95 kg			

*Always use marking kit provided.



<https://www.imetrum.com/products/uvx3d-110/>

Imetrum disclaims any responsibility for printing errors in this data sheet.
Moreover, it reserves the right to make any changes deemed useful to its
products without changing their essential characteristics.

