

UVX3D 110

Data Sheet

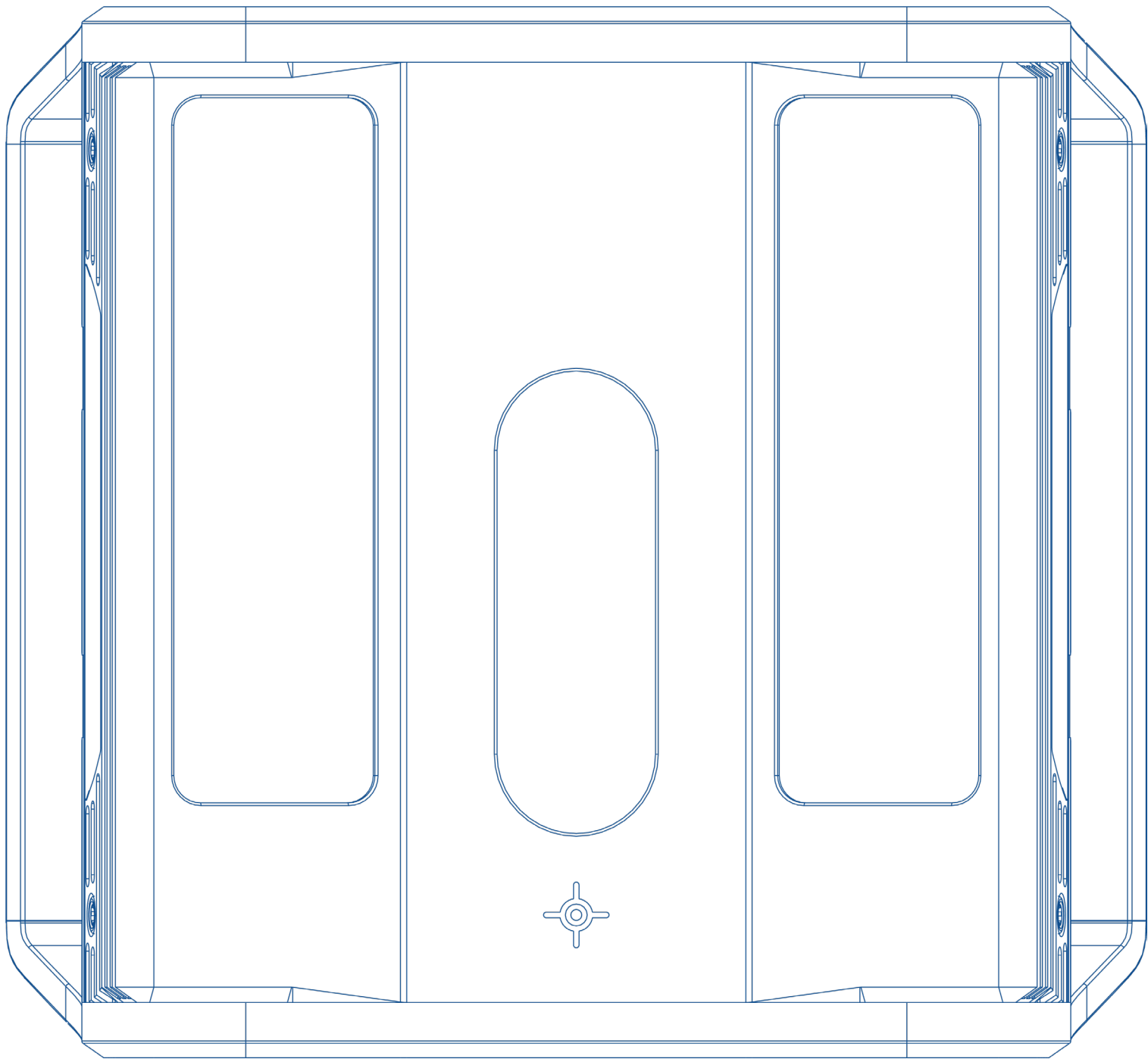


UVX3D is the natural successor to previous generation Imetrum extensometers.

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 µm			
Extensometer accuracy class	Meets or exceeds ISO 9513 Class 0.5 and ASTM E83 Class B-1 capable			
Gauge lengths supported	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 ±10V BNC available via NI DAQ interface			
Supported mark types*	Bullseyes, Dots, Rings, Speckles and natural patterns			
Recommended specimen temperature range	-70 to +300°C			
Dimensions	193H x 192D x 210W mm			

*Always use marking kit provided.



UVX3D 220

Data Sheet



UVX3D is the natural successor to previous generation Imetrum extensometers.

220 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
	240H x 80D x	195W	48W	24W
Resolution	<0.5 µm			
Extensometer accuracy class	Meets or exceeds ISO 9513 Class 0.5 and ASTM E83 Class B-1 capable			
Gauge lengths supported	20 to 200 mm			
Frame capture rate	Presets at 120, 500, 1000 Hz (1000 Hz measurements in post-processing only)			
Minimal specimen width	Axial; 4.7 mm Transverse; 25 mm			
Minimal recommended specimen parallel section	24 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	300 to 380 mm			
Strain signal interface	Analogue ±10V BNC available via NI DAQ interface			
Supported mark types*	Bullseyes, Dots, Rings, Speckles, and natural patterns			
Recommended specimen temperature range	-70 to +300°C			
Dimensions	255H x 192D x 210W mm			

*Always use marking kit provided.

