Vector B80 Data Sheet

imetrum
Measuring The Industrial World

Vector replaces conventional contact and non-contact sensors with a single, purpose-built instrument. This biaxial extensometer offers a 80 mm field of view.

Vector Specifications

Extensometer measurement applications	Uniaxial; Tensile, Compressive or Flexural Biaxial; Axial with central Transverse
Measurement modes	Strain (%) or displacement (mm/inches)
Field of view	80H x 30D x 30W mm cuboid
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*	Axial; 7.5 to 70 mm (0.3 to 2.75”) Transverse; 6.0 to 25 mm (0.24 to 1.0”)
Real time strain data rate	150Hz
Minimal specimen width	Axial; 1.5 mm flat, 2 mm diameter round Transverse; 10 mm flat, 12.5 mm round
Minimal recommended specimen parallel section	8 mm
Maximum tracking speed	2500 mm/min
Strain control	Compliant to ISO 6892 and ASTM E8
Operating distance	285 to 315 mm
Strain signal interface	Analogue ±10V BNC
Supported mark types**	Rings, filled circles and speckles automatically detected
Recommended specimen temperature range	-30 to +300°C
Dimensions	252H x 73D x 201W mm
Weight (Vector module only)	3.1 kg

*Minimum transverse gauge length for speckles is 7.5 mm.

**Always use marking kit provided.

Instrumentation Devices

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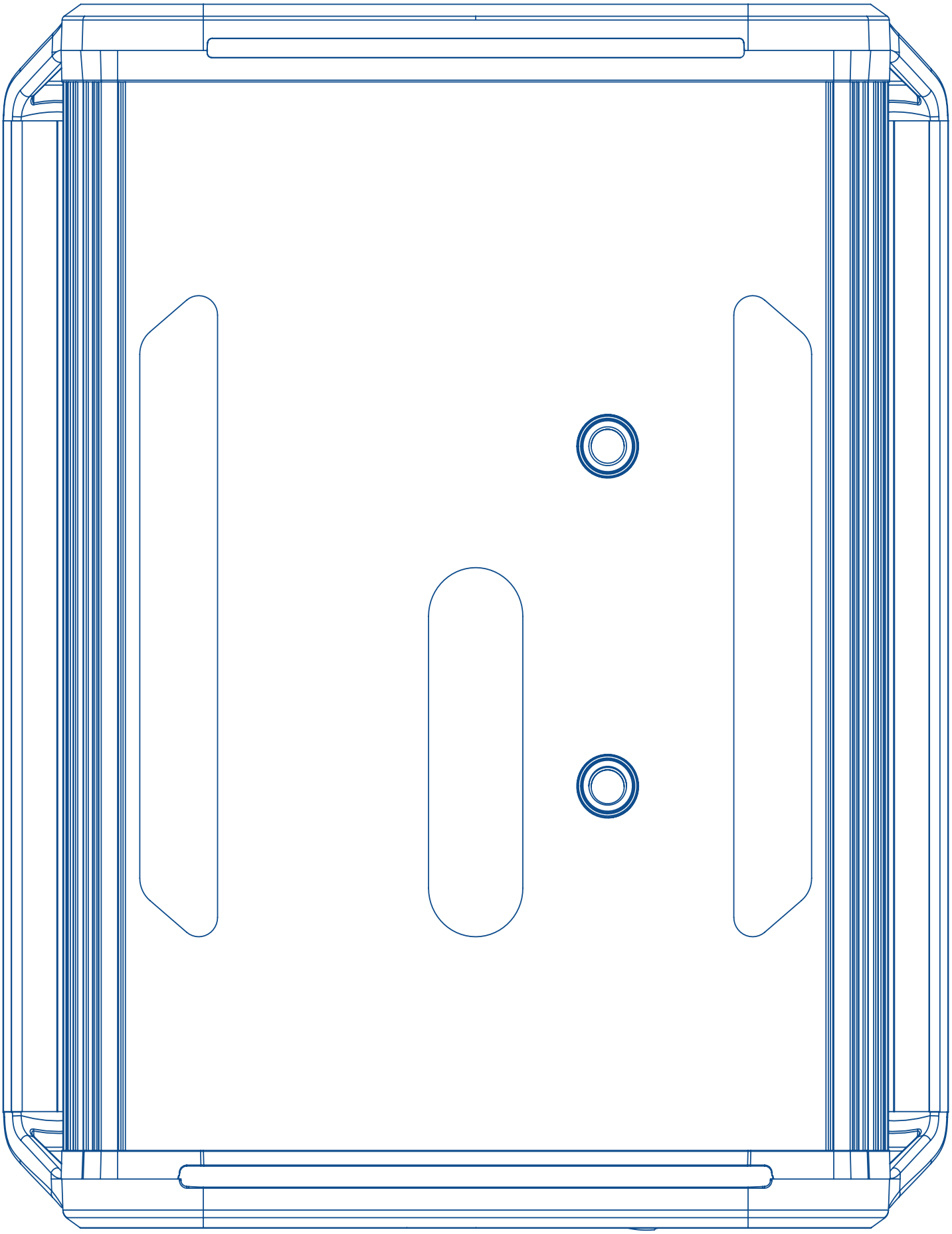

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