

Vector U70 Data Sheet

Vector replaces conventional contact and non-contact sensors with a single, purpose-built instrument. This uniaxial extensometer offers a 70mm field of view.

Vector Specifications

Extensometer measurement applications	Uniaxial; Tensile, Compressive or Flexural
Measurement modes	Strain (%) or displacement (mm/inches)
Field of view	70H x 40D x 25W 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	10 to 50 mm
Real time strain data rate	150Hz
Minimal specimen width	2 mm flat, 2.5 mm diameter round
Minimal recommended specimen parallel section	16 mm
Maximum tracking speed	2500 mm/min
Strain control	Compliant to ISO 6892 and ASTM E8
Operating distance	280 to 320 mm
Strain signal interface	Analogue $\pm 10\text{V}$ 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

*Always use marking kit provided.

