

# Vector U200

## Data Sheet



Vector replaces conventional contact and non-contact sensors with a single, purpose-built instrument. This uniaxial extensometer offers a 200 mm field of view.

### Vector Specifications

<b>Extensometer measurement applications</b>	Uniaxial; Tensile, Compressive or Flexural
<b>Measurement modes</b>	Strain (%) or displacement (mm/inches)
<b>Field of view</b>	200H x 100D x 40W mm cuboid
<b>Resolution</b>	<0.5 $\mu\text{m}$
<b>Extensometer accuracy class</b>	Meets or exceeds ISO 9513 Class 0.5 and ASTM E83 Class B-1 capable
<b>Gauge lengths supported</b>	25 to 180 mm
<b>Real time strain data rate</b>	150Hz
<b>Minimal specimen width</b>	5 mm flat, 6 mm diameter round
<b>Minimal recommended specimen parallel section</b>	32 mm
<b>Maximum tracking speed</b>	750 mm/sec
<b>Strain control</b>	Compliant to ISO 6892 and ASTM E8
<b>Working distance</b>	250 to 350 mm
<b>Strain signal interface</b>	Analogue $\pm 10\text{V}$ BNC
<b>Supported mark types*</b>	Rings, filled circles and speckles automatically detected
<b>Recommended specimen temperature range</b>	-30 to +300°C
<b>Dimensions</b>	252H x 73D x 201W mm

\*Always use marking kit provided.

