

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

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| Extensometer measurement applications | Uniaxial; Tensile, Compressive or Flexural |
| Measurement modes | Strain (%) or displacement (mm/inches) |
| Field of view | 200H x 100D x 40W 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 | 25 to 180 mm |
| Real time strain data rate | 150Hz |
| Minimal specimen width | 5 mm flat, 6 mm diameter round |
| Minimal recommended specimen parallel section | 32 mm |
| Maximum tracking speed | 750 mm/sec |
| Strain control | Compliant to ISO 6892 and ASTM E8 |
| Working distance | 250 to 350 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.

