

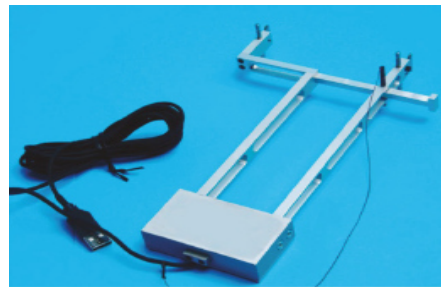


CLIP-ON EXTENSOMETER

RoboTest offers clip-on strain gauge type of extensometer which provides cost effective solution for extension measurement.

It includes different gauge length and strain range options to suit a wide range of specimen characteristics. All extensometers comply with both the ASTM E 83 and ISO 9513 standards. Calibration certificates are supplied, showing the individual performance of each unit at its factory calibration.

These extensometers offer speed of attachment and ease-of-use. The light-weight, rugged cross-brace design eliminates errors caused by physical distortion, while built-in protection ensures that damage is not caused by over-extension. The low operating-force arms of the extensometer reduce the possibility of knife-edge slippage when testing hard or smooth surfaced materials. The extensometers can be installed or set in place accurately and consistently with rubber cord, ensuring speed and reliability of operation. These extensometers are used to measure positive strain of tensile testing.





STANDARD SPECIFICATIONS:

- Gauge length: 25mm, 50mm, 100mm, 200mm, 250mm, 500mm (these three types are used for stranded wire tensile test)
- Extension: 5mm, 10mm, 25mm
- Resistance: 350 Ohm
- Excitation voltage: <6V
- Output sensibility: 2mm/V
- Relative error on the gauge length: $\pm 0.5\%$

Note: Various gauge length and extension range are not listed here. Details can be discussed to order specifications.

Application range:

- Metal tensile testing
- Rigid plastics tensile testing
- Composites tensile testing
- To determine E modulus, n value, proof strength $R_{p0.2}$, and percent elongation

Optional extensometer display device

