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Thank you for your inquiry about our precision laser extensometers for non-contact measurement of strain on tensile or compression specimens. We are the manufacturer of the LE-series. We sell direct as well as through some distributors, such as MTS(LX-500) and Epsilon. Some websites that show some information about our lasers: www.AROmeasure.com, www.axelproducts.com.

We offer two models: LE-05 with 5 inch measuring range, for metals and high strength polymers and composites; and LE-15 with a 15 inch measuring range, for elastomers and any high elongation material.

Some features/advantages of our laser extensometer include:

- *Accuracy suitable for metals and high strength composites: resolution 1 micron.
 - *Can also be used for testing elastomers.
 - *Can be used on its side for measuring transverse strain, biaxial strain.
 - *No knife edges to get dull and cause slipping.
 - *Measure through the window of an environmental chamber, from -100 to +900 degrees, higher temps using "shadow technique".
 - *Measure samples immersed in saline solution or water for medical applications.
 - *The ability to measure strain through fracture and show maximum elongation.
 - *No more expensive repairs because of not removing the clip-on extensometer prior to fracture.
 - *Measure any gauge length down to 0.4 inch, in tension or compression.
 - *Easier to set up and use than video types, and usually more accurate.
 - *Ability to interface with any standard machine controller, analog or digital.
 - * LE-05 certifies class B1 per ASTM with most test controllers.
 - *Can use with re-usable target clips: we offer some models.
 - *Includes a two year limited warranty.
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