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LE-05 and LE-15 High Resolution Lasers

For the most precise, non-contacting strain measurement device available, EIR Presents the LE-05 and LE-15 precision laser extensometers. These high performance devices are completely self-contained, easily transportable, and easy to use with their digital display and 4 button keypad. They can be operated from the rear control panel or remotely via the RS-232 interface. The unique scanning parallel laser beam technique, along with retro-reflective target material, measures elongation entirely from one side of the specimen, eliminating the need for a separate receiver mounted on the opposite side of the specimen. For applications not requiring more than 380 mm (15.0 in) of travel, you won't find a better unit. The long useful life, some from 1994 still operating, add great value to these easy to use extensometers.

Features:

- * Meets ASTM B1 extensometer classification (25 mm/1 in. and longer gage length).
- * Certified for compliance with the Center for Devices and Radiological Health as a Class II product.
- * CE certified
- * Selectable averaging of 2 to 512 scans.
- * Measures the initial gage length of the specimen directly.
- * Can measure strain simultaneously over 3 segments within the specimen's gage length.
- * Measurements are updated 100 times per second.
- * Analog output port for closed loop strain control or for input to a data acquisition board, chart recorder, etc.
- * Parallel beam design accommodates operation through chamber glass (up to two panes of optical quality), a clear bath, water, etc. This is the only parallel beam laser extensometer made in America
- * Parallel beam makes calibration much easier and more reliable than fan beam types.
- * Easier to set up and calibrate than video type units, and not affected by ambient light.

