

Press Release

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High-Performance Eddy Current Sensor Offers Improved Displacement Measurements

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The ECL101 Eddy-Current displacement sensor is an improved, CE compliant version of Lion Precision's original ECL100 sensor. The ECL101 noncontact sensor offers improvements in immunity to electromagnetic interference (EMI) and thermal stability as well as lower power consumption. The linear output sensor is available with a selection of probes offering measurement ranges from 0.5mm to 15mm, and features a unique front panel range indicator to alert the operator to out-of-range conditions. The sensor has applications in any industry requiring precision noncontact displacement measurement, especially in a hostile environment involving fluids or debris in the measurement area.

ECL101 Specifications

Resolution: 0.004%- 0.06% of range
Nonlinearity: $\pm 0.50\%$ of range.
Temperature Drift of Probe at mid-range: $\pm 0.04\%$ of range/ $^{\circ}\text{C}$
Outputs: 0-10VDC, 0-20mA
Input Power: 12-24VDC

More detailed information is available at www.eddycurrentsensors.com or www.lionprecision.com.

Lion Precision, established in 1958, pioneered commercially available noncontact sensing systems. The company's Spindle Error Analyzer is the dominant solution for spindle measurements that comply with international standards and is used by machine tool builders and users across the globe.

The company provides high-performance capacitive and eddy-current displacement sensors for industries such as machine tool, semiconductor, disk drive, automotive, packaging, and university and national laboratory research.

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