

Laser Sensor Provides Superior Durability

The laser measurement sensors of the LTF Series are capable of detecting targets regardless of color, material or sheen from a distance of up to 12 m, straight-on or at an angle

Mülheim, October 27, 2016 – Turck expands its family of laser sensors with the new LTF Series. Featuring time-of-flight technology, the laser measurement sensor ensures accurate distance measurements out to 12 meters. The LTF offers the best-in-class combination of accuracy, repeatability and range. Designed with a Class 2 laser emitter with small, highly visible spot, the LTF provides easy sensor alignment and high excess gain. The same sensor that provides repeatability of less than 3 millimeters and accuracy of plus or minus 10 millimeters can also reliably detect dark targets past 7 meters and white targets at 12 meters.

In addition to precision distance measurement, the LTF delivers consistent detection of targets regardless of the angle, environmental conditions or ambient light resistance. The dynamically adjusted laser sensor can also sense objects with varying materials and shapes. The laser power increases output for dark targets or objects at steep angles, while reducing power for shiny targets.

With easy, ready-to-use operation, the LTF starts measuring right out of the box. In just three simple steps, the sensor can be quickly mounted, aligned and provide real-time measurement. Users can select from several teach modes to accommodate diverse applications. Advanced measurement modes, delay timers and cross-talk avoidance capability are also available.

Featuring an intuitive two-line, eight-character display, the LTF makes adjustments and menu navigation simple and easy to read. Additionally, the bright LED indicators provide clear status indication for analog output, discrete output and power. To satisfy applications in harsh environmental conditions, the LTF features durable IP67-rated die-cast zinc housing.

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