Laser Displacement Sensors

Turck extends its portfolio with a series of triangulation laser displacement sensors for non-contact height or thickness measurement of a wide variety of materials, made by Turck's partner Banner Engineering. Sheet metal, wood, ceramic, paper, plastic, rubber, foam and baking dough are some of the materials that can be measured for quality assurance. The new LH Series sensors provide precise measurement of distance, web thickness and alignment. Applications include hot parts, machined parts, semiconductors and PCBs, shiny or reflective parts, and soft or sticky parts. There are three models in the series, with measurement ranges of 25 to 35, 60 to 100 and 100 to 200 mm.

Thickness is measured by two sensors mounted at either side the target that automatically synchronize with one another. Up to 32 sensors can be easily combined in a mixed measurement network of multi-track displacement or thickness sensors. A wide selection of mounting brackets and industrial cordsets allows efficient creation of sensor networks.

The dedicated software application included with each sensor allows easy setup and configuration for new applications. The software accommodates data logging and monitoring for statistical process control. Output communication is via simultaneous 4-20 mA (16 bit D/A) and RS-485 serial connection. No external controller is required.

Kontaktieren

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