

Press Release Sensor Instruments

June 2020

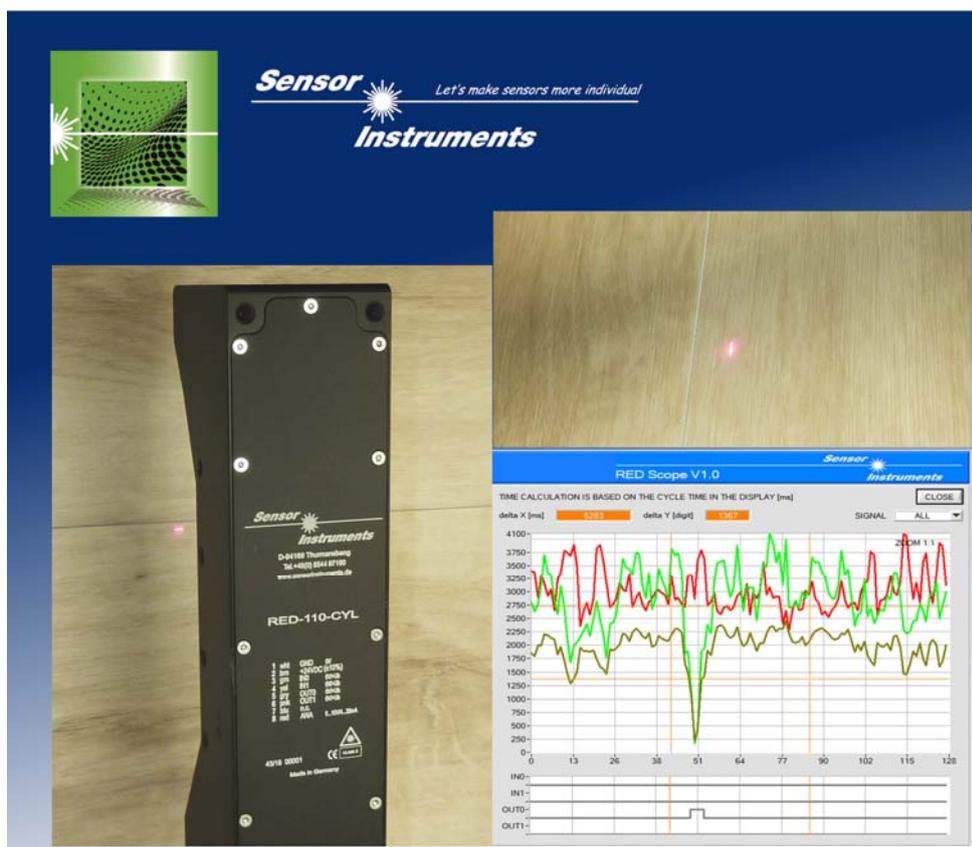
Gaps in Parquet Flooring

29.06.2020. Sensor Instruments GmbH:

Dear manufacturers of vinyl flooring, don't worry, we will find the gap!

From the range of **RED series** edge detectors the **RED-50-L** and **RED-110-L** sensors are especially suited for detecting gaps, i.e. in this application the distance of two parquet panels. These edge detectors reliably detect gaps starting from a depth and width of approx. 0.05mm.

With the supplied software the laser edge detector can be adapted to different surfaces: From dark to bright, and from matt to glossy. With a maximum scan frequency of typ. 85kHz the sensor also is excellently suited for high-speed object handling. The digital output of the sensor provides an alternating signal (digital, 0V/+24V) when an edge is detected. The sensor also provides an analog signal (0V ... +10V or 4mA ... 20mA) that can be used to determine the quality of the gap. The sensor's scope of delivery also includes a comprehensive monitoring and parameterisation software for optimally setting the laser sensor from a PC. During normal operation this PC connection is not necessary.





With the laser edge detector RED-110-L the distance between two parquet boards (= the gap) is detected



Signal evaluation of edge detector RED-110-L with the RED-Scope Windows® Software

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