

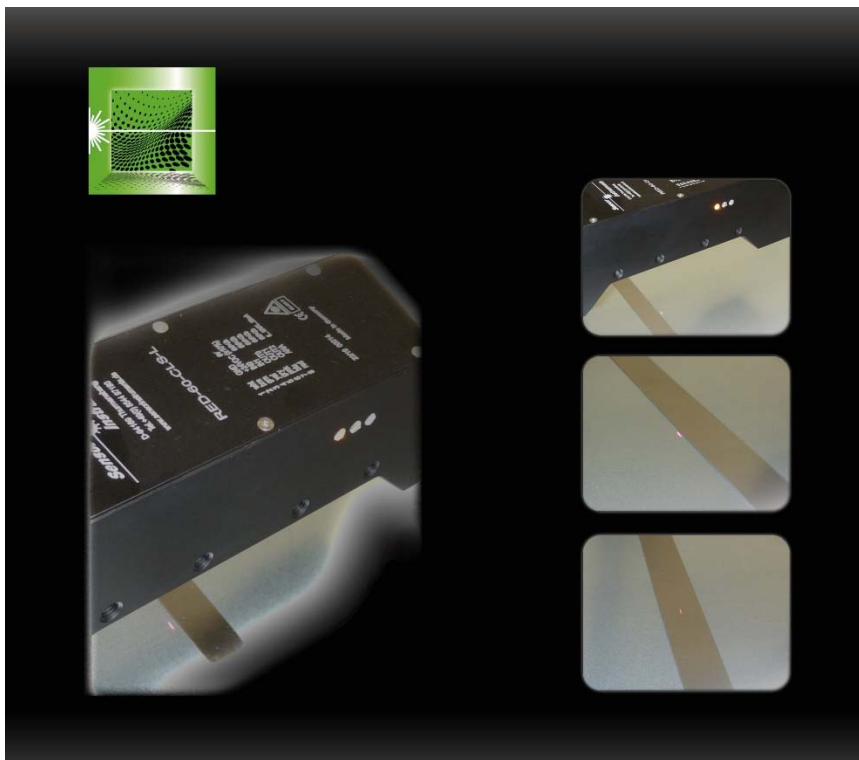
Press Release Sensor Instruments

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Not Always Down!

Sensor Instruments GmbH: Some aspects of technology very well can be compared to real life: The direction is not always up or down. After a "down" there often is an "up" again, and this also applies to edges: As a rule a rising edge is followed by a falling edge, and vice versa.

In the series of edge detectors the **RED-60-CLS-L** and the **RED-60-CLS-P** now allow the detection of rising and falling edges. A digital output (0V/+24V) is provided depending on the edge type. The sensors are able to detect edges starting from a step height of 0.1mm, and they have a maximum scan frequency of 85kHz. Depending on the surface it is recommended to use a laser line (-L) or a laser spot (-P). For avoiding multiple signals at an edge this sensor series also features the software mechanisms of pulse lengthening, dynamic dead time (multiple-pulse suppression in a relative time window after the generation of the first pulse per edge), and edge hysteresis. Due to normalised evaluation (comparison of the two receiver signals) and high-speed automatic laser power control the sensors also can be used for changing surfaces (white to black, glossy to matt) and for varying object distances.



The RED-60-CLS-L enables the detection of rising and falling edges.



Signal evaluation of edge detector RED-60-CLS-L with the RED-Scope Windows® software.

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