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Controlli Industriali

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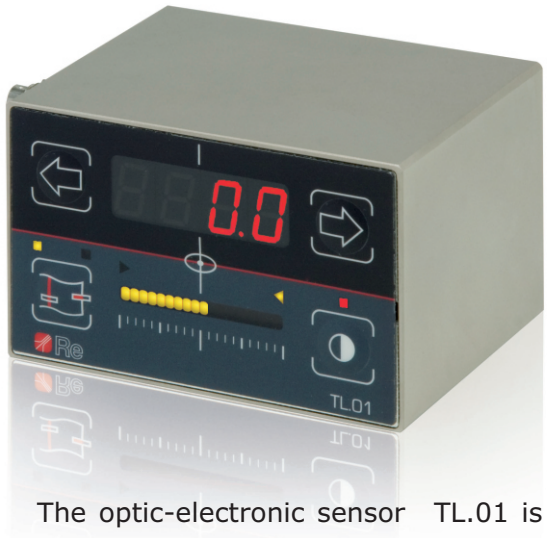
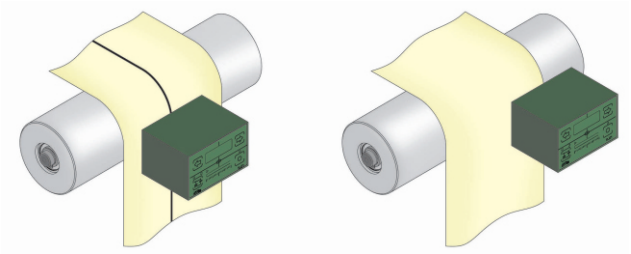
TL.01 OPTIC-ELECTRONIC SENSOR



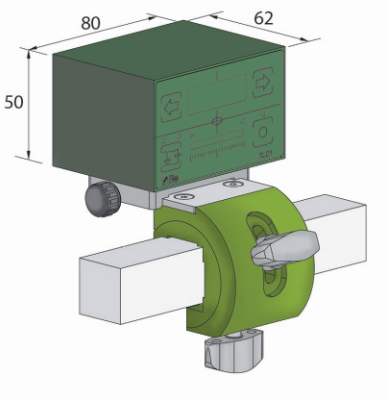


TL.01 sensor can follows material lines or edges

The optic-electronic sensor TL.01 is the ideal solution whenever you need to detect contrast differences, printed lines and material edges. The sensor can perform a series of automatic procedures, which allow the device to operate on any kind of material without requiring the continuous intervention of the operator, including:

- **Automatic illumination colour**, to obtain maximum contrast: the sensor automatically activates the blue, red or white light to optimize line or edge detection.
- **Interrupted line function**: allows the sensor to follow imprecise or interrupted lines effectively, as well as allowing the device to find the line/edge again automatically, even when it has exited the field of vision.
- **Automatic focus**: if the production material changes, there is no need to re-focus the device. This operation is performed only in the installation phase.
- **Transparent or metalized surface reading**: thanks to the presence of several light sources, the sensor can read on surfaces of this type, without requiring the operator to perform any mechanical adjustments.

Technical characteristics	
Power supply	12÷24 Vdc
Distance range	1-28 mm adjustable
CCD sensor	format 2048 square pixels
Resolution	0,1 mm
Responce time	1 msec
Analog output	0÷5 Vdc 0÷10 Vdc optional
Working temperature	0÷60 °C
IP protection class	IP40



- manual movement by means of manual sensor holder
- micrometrical electronic movement (M.E.D.) with the arrow keys on the keyboard