



# TL.01-A

## OPTICAL SENSOR



- ✓ Detects both lines and/or edges
- ✓ Wide viewing area of 28 mm
- ✓ 1 msec of response time
- ✓ Simple focalisation
- ✓ Easy and quick calibration
- ✓ Automatic selection of the lighting colour for contrast
- ✓ Micrometric electronic movement (E.M.D.)

TL.01 is an optical sensor able to read lines and/or edges of laminates using the contrast of the light produced.

With a wide visual area of about 28mm and a response time of 1msec, TL.01-A can detect continuous or interrupted coloured lines on light, dark, transparent, metallic and reflecting backgrounds thanks to the automatic selection of the lighting colour to achieve the maximum contrast.

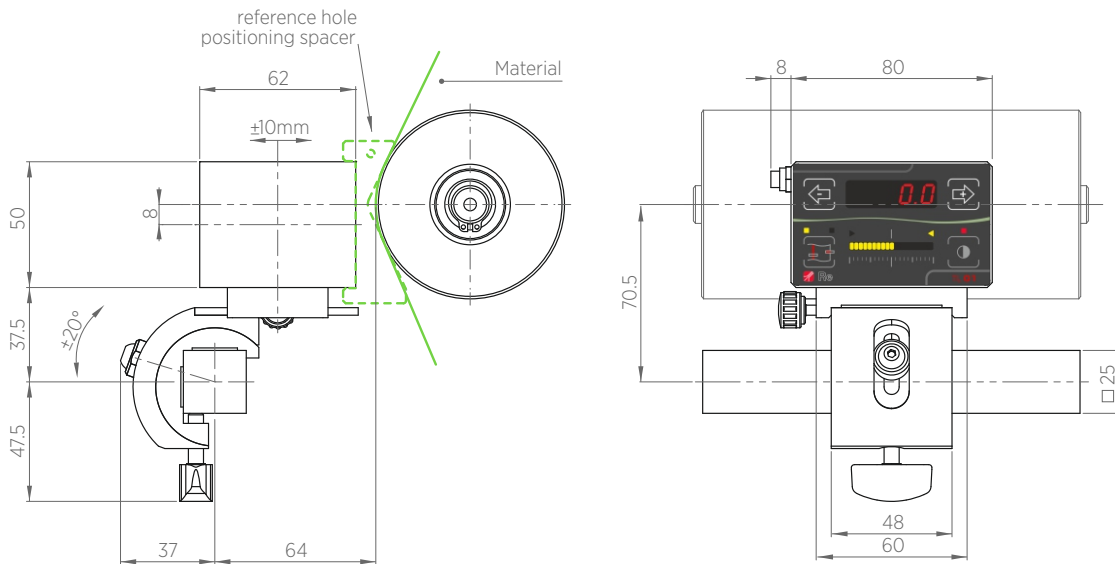
The sensor is equipped with a 4 digit display, a led bar to display the most important parameters and the position of the line or edge, and 4 buttons for the calibration.

It also features a micrometric electronic movement (E.M.D.) of the reading position without reducing the visual area.

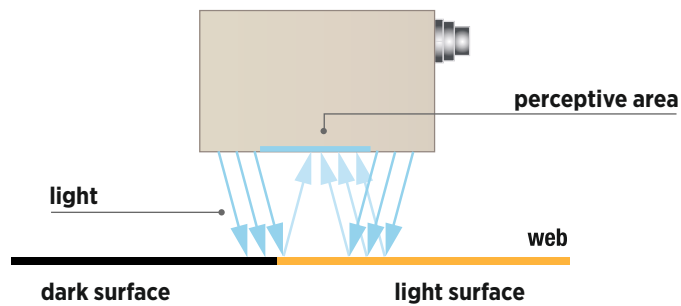
The sensor holder, very compact and sturdy, is very easy to install and to regulate.

TL.01 can be supplied with a remote keypad for installation where the sensor is not easy to reach.

## TECHNICAL DRAWING



## FUNCTIONING



## TECHNICAL CHARACTERISTICS

Power supply/absorption	12÷24 Vdc
Viewing area	28 mm
Adjustable reading area	1 - 28 mm
Analog output	0÷5 Vdc 0÷10 Vdc optional
Sensor CCD	2048 square pixels (0,014 x 0,014 mm)
Response time	1 msec
EMD	0,1 mm
Working temperature	0÷60°C
IP protection class	IP40
Dimensions	80 x 50 x 62 mm

\*Data are subject to technical change without notice



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