PYRAMID

OPTICAL SENSOR

- Continuous or interrupted printed lines detection
- Detecting of lines even with minimal contrasts
- Quick and easy calibration
- Easy focus
- Led indicator
- Automatic selction of the contrast light colour
- Available a special version for UV printing
- Compact dimensions

PYRAMID, is an opto-electronic sensor with microcontroller able to reliably and precision detect printed lines, material edges or pattern.
It is equipped with three buttons for the calibration and for managing the sensor's advanced functions.

It is equipped with an intuitive display with four digits and a barraled to indicate some parameters of the sensor and the positioning of the line/edge.
Some other LED indicators give informations about the operating status of the sensor.

Pyramid is able to detect continuous or interrupted lines or patterns even with very low contrasts.

A led indicator allows you to easily view the reading area; moreover, the sensor is able to automatically select the best contrast light colour (blu, red, green or white; or UV for for the models that provide it) to obtain the best contrast between the background and the line or edge.

Re S.p.A.
via Firenze 3
20060 Bussero (MI) Italy

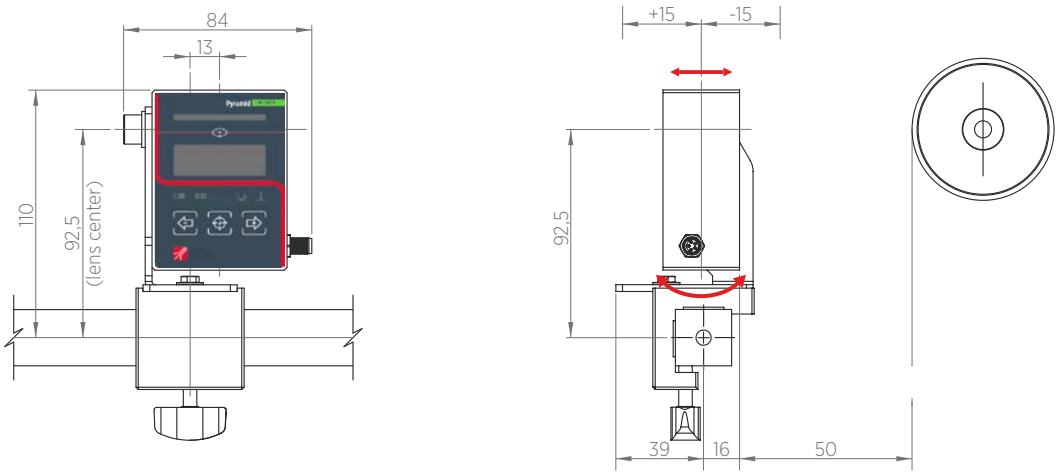
T +39 02 9524301
F +39 02 95038986
E *info@re-spa.com*

Assistenza tecnica
Technical support
T +39 02 952430.300
E *support@re-spa.com*

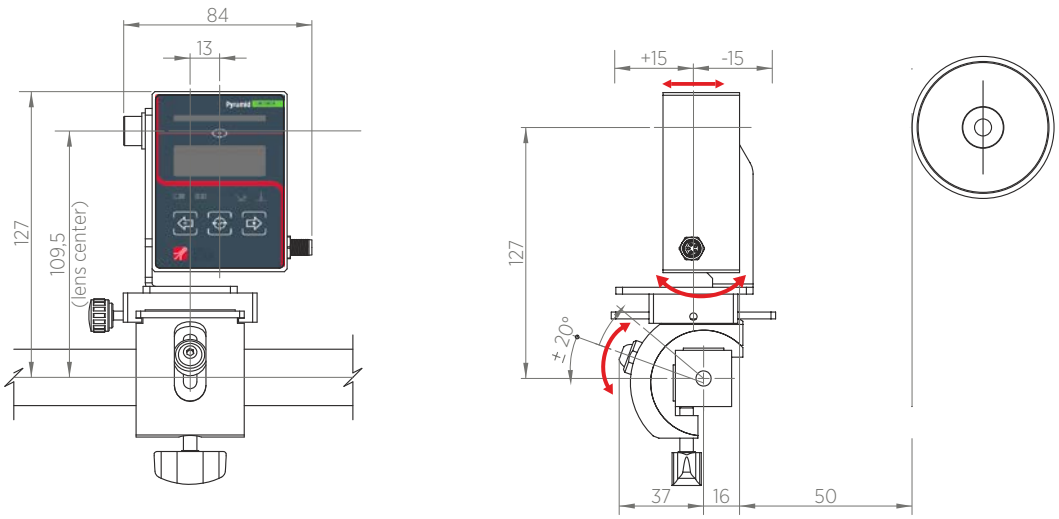
Assistenza commerciale
Sales support
T +39 02 952430.200
E *sales@re-spa.com*

TECHNICAL DRAWING

Manual sensor holder



Angular sensor holder



TECHNICL CHARACTERISTICS

Power supply		12÷24 Vdc
Analog output		0÷5V
Sensor CCD		1 x 512 pixel
Line/edge detection system		Pattern matching (with pattern matching) Edge detection (with outline recognition)
Reading speed		1000 volte al sec. (cycle time=1msec)
Viewing area (distance 50mm)	Edge reading Pattern reading	≃ 20 mm ≃ 12 mm
Working temperature		0÷50°C
Protection class		IP20
Cable length		< 30 m
Optional		output 0÷10V
Dimensions		80 x 60 x 33 mm

*Data are subject to technical change without notice

Re S.p.A.
via Firenze 3
20060 Bussero (MI) Italy

T +39 02 9524301
F +39 02 95038986
E *info@re-spa.com*

Assistenza tecnica
Technical support
T +39 02 952430.300
E *support@re-spa.com*

Assistenza commerciale
Sales support
T +39 02 952430.200
E *sales@re-spa.com*