

## DATASENSING - SR21 - SLOT SENSOR

SR21-IR

953151070 Label Sensor Infra Red PNP/NPN

- 2mm slot gap
- High 25 kHz switching frequency
- Detection of semi-transparent labels
- IR or red/green light models
- PNP or NPN output



### PRODUCT DESCRIPTION

The SR21 series is a photoelectric slot sensor with 2mm slot width, are characterised by a high 12 bit (4096 steps) resolution, a low 20µs response time and a switching frequency reaching 25 kHz.

The setting of the switching threshold is carried out automatically by simply pressing a push-button, or dynamically during label (or other reference) movement. The SR21-IR model with infrared emission is ideal for label or hole detection on continuous surfaces, while the SR21-RG model with double red or green emission suits colour print register mark detection on transparent films for automatic packaging.

### FEATURES & BENEFITS

- Teach-in setting: easy and fast setting procedure
- Dynamic setting: possibility to set the sensor while the label is moving
- 25KHz switching frequency
- Red/Green emission model: possibility to perform contrast application

### APPLICATIONS

- Packaging lines
- Labelling machines
- Paper and Printing machines

## TECHNICAL DATA

Approvals	CE, UL
Dimension (mm)	20 x 90 x 26
Electrical connection	M8 4-pole connector
Fork depth	50 mm

Fork gap	2 mm
Frequency	25000 Hz
IP class	IP65
LED indicator	Yes
Lens material	Glass
Light type	IR LED
Material of body	Zinc Alloy
Output	NPN, PNP
Output current max	0.1 A
Photocell technology	Fork
Power consumption max	0.55 A
Reaction time	0.02 ms
Supply voltage	10-30 V DC
Temperature operational max	60 °C
Temperature operational min	-20 °C
Weight	115 g

