LRD5100 Tear Strip Detection System

This non-contact sensor was designed specifically for tear strip applications and operates by identifying the presence of a second film layer on the base film.
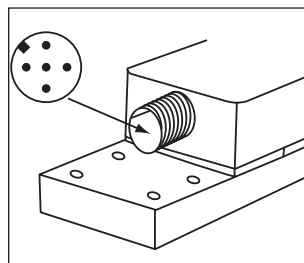
This sensor features self-contained electronics and can be used in a variety of packaging machines and high-speed applications. Color, contrast and degree of transparency do not affect the LRD5100. No tweaking is needed for material changes as the sensor automatically adapts to stock changes.

The LRD5100 uses the patented technology of the LRD2100 edge detector for fast, accurate and reliable results.

The LRD family of sensors carries a two-year limited warranty.

SPECIFICATIONS

Registration Error: . . . . .Less than 0.01″ (0.25mm)

Response Time: . . . . .10 microseconds

Operating Temperature Range: . . . . .40°F to 120°F (4°C to 50°C)

Thermal Drift: . . . . .1/64″ (0.40mm) per 30°F (17°C)

Signal Output: . . . . .NPN and PNP open collector

Oscillator Frequency: 2.5MHz

Power Requirements: . . . .+11 – 30VDC

*Also available with
5 Pin Euro Connector.
(LRD5100C)*

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The Clear Choice