

FACTORY AUTOMATION



DK50-UV LUMINESCENCE SENSORS

**THE OBVIOUS CHOICE
WHEN WHAT YOU'RE SENSING ISN'T**



PEPPERL+FUCHS
SENSING YOUR NEEDS

Sold by AA Electric 1-800-237-8274 • Lakeland, FL • Lawrenceville, GA • East Rutherford, NJ
Web : www.A-Aelectric.com Email: njsales@a-aelectric.com

DK50-UV LUMINESCENCE SENSORS

DK50-UV Luminescence Sensors distinguish between conditions that may involve invisible or irregular objects. The DK50-UV emits ultraviolet (UV) light, which is invisible to the human eye. Some materials, either inherently or intentionally, contain luminophores that are stimulated by the UV light and emit visible light at a certain wavelength. The DK50-UV detects the target when this visible light is received.



- Detect invisible marks on irregular surfaces
- Integral automatic and incremental teach
- Graphical LED display of signal strength
- Longest sensing range (up to 600 mm)
- Distinguish between different luminescent objects
- Compact, space-saving housing
- Small focal point detects small parts
- Integral timer permits external controller to respond to rapid detection
- Large depth of focus rids recurring adjustments

Optional off-delay timer extends the duration of the sensor's output.

Operating mode setting selects light on or dark on.

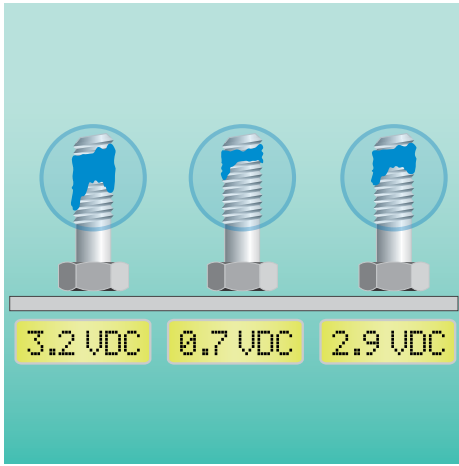
Incremental programming allows sensitivity to be manually adjusted for added control.

Eight segment LED indicates signal strength.

Compact housing measures just 56 mm x 65 mm x 23 mm.

Up to four different automatic programming modes enable rapid setup.





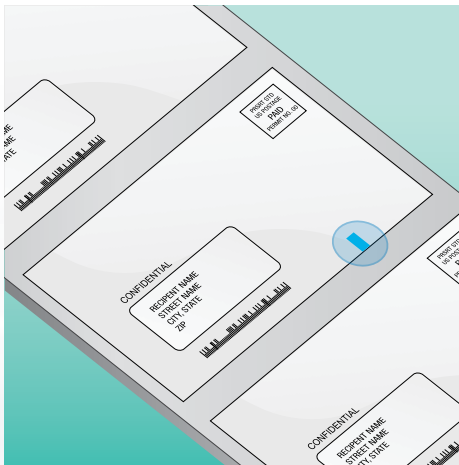
Measure thread locking compound on bolts



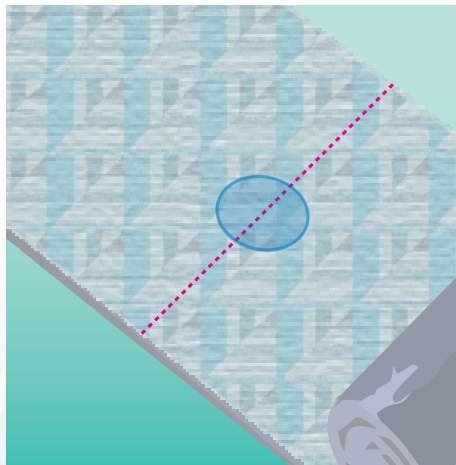
Verify tamperproof seal presence

TYPICAL APPLICATIONS

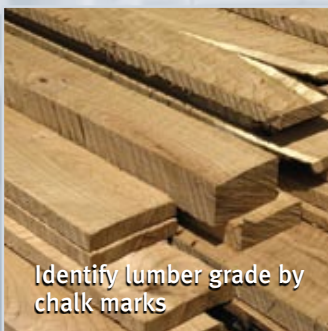
- Measure amount of glue or adhesive
- Verify presence of oil or lubricant
- Test for leaks in seams
- Verify presence of packing slip in carton
- Sense invisible markings on packaging or printing media
- Confirm presence of clear protective coatings
- Detect straw pouch on juice box
- Confirm presence of gaskets



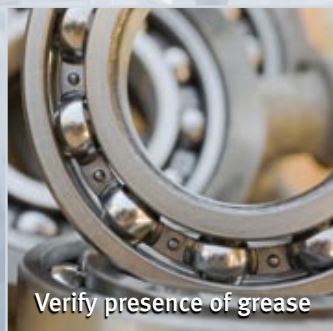
Detect invisible marks on mass mailing envelopes



Detect fluorescent thread stitched in carpet web



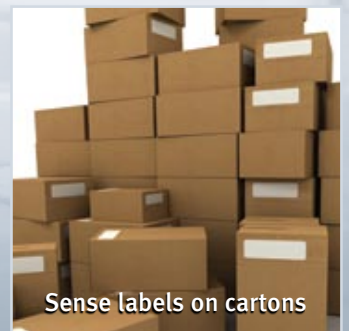
Identify lumber grade by chalk marks



Verify presence of grease



Align bottle sleeves



Sense labels on cartons

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Pepperl+Fuchs sets the standard in quality and innovative technology for the world of automation. Our expertise, dedication, and heritage of innovation have driven us to develop the largest and most versatile line of industrial sensor technologies and interface components in the world. With our global presence, reliable service, and flexible production facilities, Pepperl+Fuchs delivers complete solutions for your automation requirements—wherever you need us.

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