

Sound Solutions from Schneider Electric for Packaging Machinery Applications

The Application

Reliable high-speed sensing of labels on a web

The Challenge

Finding one sensor for all types of labels, whether transparent or opaque, regardless of size, shape, material, or color.



The Sound Solution

SUPERPROX[®] SM6x7A-A08-x1FP ultrasonic sensor with AC241 bracket

Featured at Pack Expo 2002 in Chicago, the new AC241 bracket provides a cost-effective answer for labeling applications. The perfect companion to the SM6x7A-A08-x1FP, it mounts the sensor at exactly 45 degrees and contains a slot for the highly sensitive narrow sonic beam to detect each label passing underneath. With an accelerated 0.5 ms response time, this duo can handle the fastest label speeds.

The angle is the key. The sonic beam actually reflects allowing the sensor to differentiate between the label and its carrier web. If a label is missing, the echo will bounce into space away from the sensor. The sensor's output signal can be processed in any number of ways depending on the demands of the application.

Being an ultrasonic sensor, the SM6x7FP overcomes the limitations of other label sensing technologies. It detects any solid surface, whether transparent or opaque, regardless of size, shape, or color. Paper or clear carrier web? Different colored labels? They're no problem for the SM6x7FP, and no recalibration is ever needed.

For more information on the SM6x7FP, the new Model AC241 mounting bracket, as well as our full line of proximity, dual-level, and analog sensing solutions, contact Hyde Park today or visit us at www.sesensors.com !

