Having problems sensing clear labels?

Schneider Electric’s **OsiSense™ XUVU** ultrasonic label sensor is an excellent choice for difficult labeling applications. And in cases where clear labels on a clear web are used, it’s an ideal selection.

**Newly improved!**
The next generation XUVU sensor has been improved with a new ultrasonic transducer to give our customers better performance.
- Response time improved 30% to 300µs
- Switching frequency increased 3 times up to 1500 Hz
- Maximum flow rate is up 50% to 180m/min

**Ease of integration!**
- Automatic teach utilizes a specific algorithm taking into account differences between web and label.
- Static teach for increased accuracy in challenging applications
- NEW external teach input adds convenience for easy configuration during initial set-up, label roll change, or maintenance.
- Dynamic teaching allows easy settings at high speed, reset, or optimization of parameters during operations

**Versatile!**
With a passageway of 3 mm and a depth of 69 mm, the XUVU can tackle the majority of commercially available labels. Keep programming familiar with the same set up and teach-in procedures with both the XUVU and XUVE label sensors.

Typical areas of application:
- Optical fork to sense clear labels

Well suited for use in:
- packaging applications

For basic opaque label applications, use the OsiSense™ XUVE Label Sensor
OsiSense™ XUVU
Transparent Label Sensor

OsiSense™ XUVU fork label detection
XUVU06M3KSNM8  PNP/NPN, NO/NC by programming
XUVU06M3PSNM8  PNP, NO/NC by programming, & remote teach function
XUVU06M3NSNM8  NPN, NO/NC by programming, & remote teach function

Mechanical Characteristics:
Transmission: Ultrasonic
Passageway: 3 mm
Depth: 69 mm
Connection: M8, 4-pin connector
Mounting: 4 cylindrical holes (Ø4.2mm mountings holes - 3 in the base and 1 by passageway entry)
Material: Aluminium case

Detection performances:
Minimum label length: 2 mm
Minimum distance between labels: 2 mm
Maximum flow rate: 180 m/mn
Detection accuracy: +/- 0.20 mm at 120 m/min

Electrical Characteristics:
Voltage limits: 10 to 30 Volts DC (including ripples)
Current consumption: 45 mA
Output state LED: yellow
Adjustment & keypad locking LED: red
Switching capacity: 100 mA with overload and short circuit protection
Switching frequency: 1500 Hz

Environmental characteristics:
Operating temperature: 5°C to +55°C
Enclosure rating: IP65

Put our sensing experience to work for you.
For application assistance or more information about Telemecanique Sensor sensing solutions, please contact us at 1-800-435-2121 or visit www.TEsensors.com.