

Having problems sensing clear labels?

Use our improved XUVU Label Sensor for transparent label detection applications



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

Simply easy!™



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.**

Schneider Electric USA, Inc.

Telemecanique Sensors
1875 Founders Dr.
Dayton, OH 45420-4017
TEL: 888-778-2733
www.TEsensors.us

Schneider Electric Canada, Inc.

Telemecanique Sensors
5985 McLaughlin Road
Mississauga, Ontario L5R 1B8
TEL: 800-565-6699
www.TEsensors.ca