

FGU07-100S

# CAPACITIVE LABEL SENSOR



## Safety Warning

- Do not use in an environment with flammable, explosive or corrosive gases.
- Do not use in an environment with oil or chemicals.
- Do not use in an environment with high humidity.
- Do not use in direct sunlight.
- Do not use under other environmental conditions that exceed the rated value.
- Do not disassemble, repair or modify the product without permission.

## End-of-life Disposal

When the product is disposed of, please dispose of it as industrial waste.

## Specification

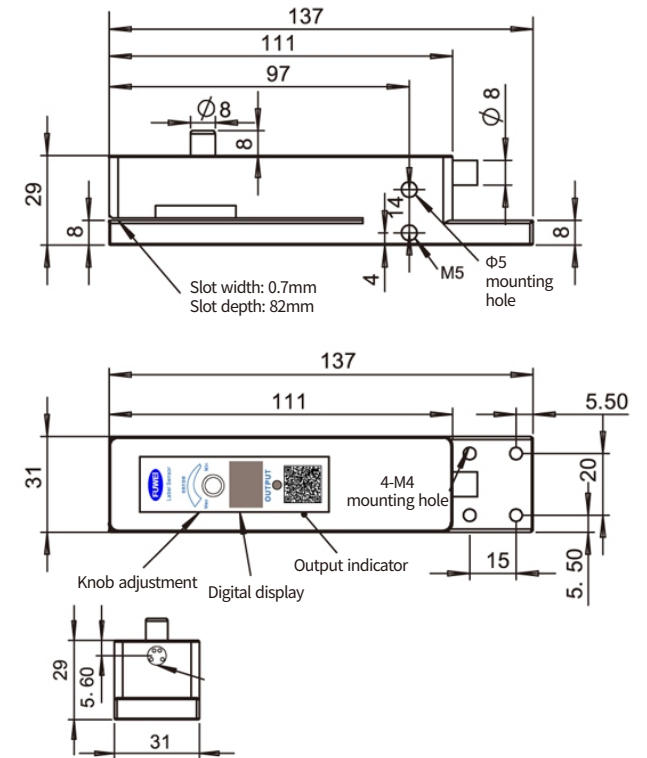
Part Number	FGU07-100S
Features	Suitable for paper and transparent labels (no metal content); frequency up to 5000Hz, response speed 20 microseconds; high speed and stable detection, accurate counting; high speed and stable independent learning
Detection principle	Differential capacitance detection
Slot width	0.8mm
Slot depth	82mm
Switch frequency	5KHZ
Response time	0.1ms
Supply voltage	10-30VDC
Consumption current	<25mA
Output signal	NPN+PNP
Output current	100mA
Sensitivity setting	Knob adjustment
Protection	Reverse polarity protection, output short circuit protection
Output type	NPN, PNP dual output
Power supply	Input voltage DC 10V-30V, Maximum power 0.5W
Display	Two-digit digital tube display
Operating temperature	-20~+60°C, no freezing
Protection level	IP66

## Applicable testing occasions

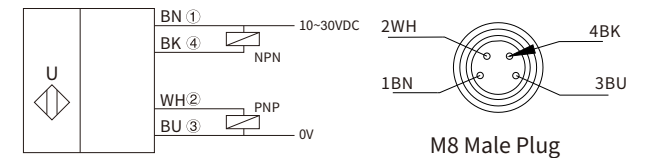
To ensure your smooth use of this product:

1. This sensor is suitable for paper ordinary labels, translucent, fully transparent labels, PVC composite labels.
2. In use, the detected label must be in the marked area of the sensor detection slot.
3. In use, the detected label paper must be taut, to ensure detection accuracy.
4. In use, the bottom paper of the detected label, as close as possible to the back of the bottom plate.

## Dimensions

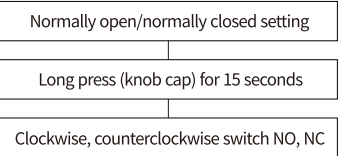
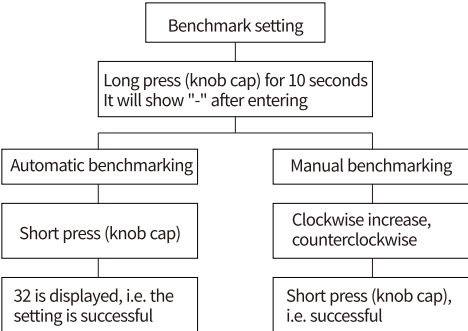
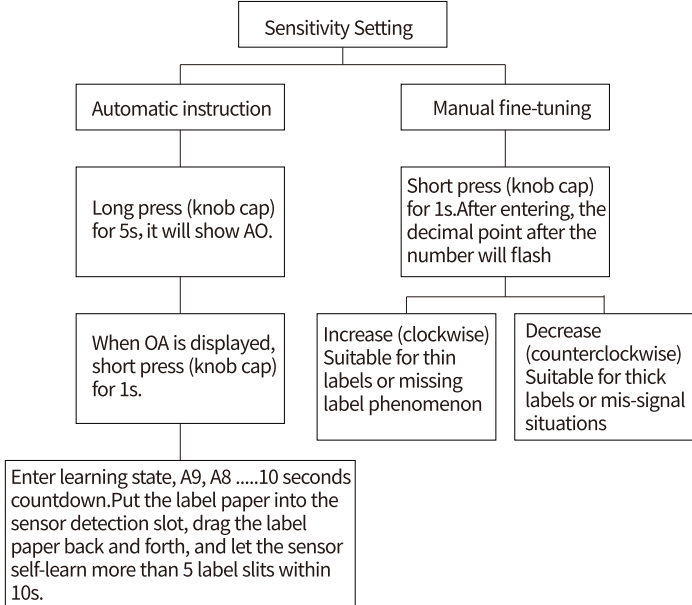


## Wiring Diagram



# Setup flow chart

Operation instructions: The sensor uses a knob key integrated coding switch, when operating short press the knob key for confirmation, clockwise rotation to adjust the set value higher, counterclockwise rotation to adjust the set value lower. 10 seconds without operation will automatically return to the current sensitivity.



Product specifications are subject to change without notice.  
 For more information or if you have any questions or suggestions about this product, please feel free to contact us.