



US-400S Series

— U-shaped Ultrasonic Sensor 

Ultrasonic edge guide sensor uses the principle of high-frequency ultrasonic straight-line transmission to detect the edge position of coil materials. Compared with photoelectric sensors, it is not affected by material transparency, so it does not need to be adjusted when used, which is very convenient. Applicable for edge-guiding applications of non-breathable materials (such as plastic films, papers, etc.) (not applicable for breathable materials e.g. cloth, non-wovens).

■ Main Technical Parameters

Tracking Mode	Edge Guiding
Power Input	DC10V ~ DC30V
Output Signals	Analog Output 0-5V Two-way Switch Signals
Detection Range	6mm (± 3.0 mm)
Detection Accuracy	± 0.05 mm
Housing Material	Aluminum Alloy
Weight	250g

■ Functions & Features

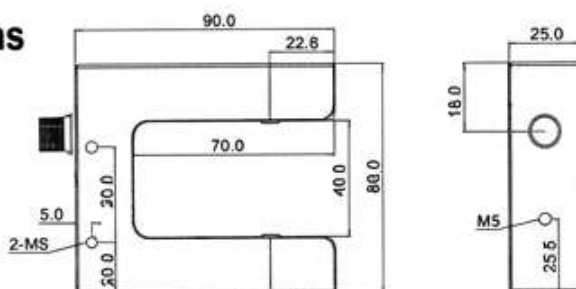
1. Supports one-way analog/two-way switch outputs
2. Suitable for all non-breathable materials (transparent films, papers, etc.)
3. No manual adjustment needed
4. 200K ultrasonic wave projection
5. 0.05m/s response time
6. 6mm detection range, 0.05mm detection accuracy
7. Comes with offset display

■ Operation Instructions

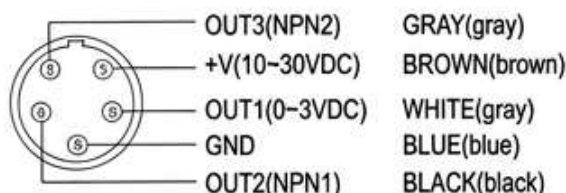
To meet different accuracy requirements, three modes can be selected. After material correction, red and yellow lights will flicker.

1. Long press "SET" for 7 seconds until the central blue light flickers (this state is 0.5mm)
2. Short press "SET" once, two yellow lights flicker (this state is 1.0mm)
3. Short press "SET" once, two red lights flicker (this state is 2.0mm)
4. After selecting one of the above three modes, long press "SET" for 6 seconds to save and exit, completion.

■ External Dimensions



■ Wiring Diagram



This product has non-human factors which cannot work normally within one year, can be returned to the factory, our factory is responsible for replacement.

Zhejiang Province Longyou Jian Ai Electronics Co., Ltd.

Address: No. 465 Renmin Road South, Lingjiang Industrial Zone, Postcode: 324400
Longyou County, Zhejiang Province

Tel: 0570-7251076

Fax: 0570-7251079

Website: www.JL-sensor.cn

E-mail: lyjardz@126.com

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