



US-400S系列

—— 槽型超声波传感器



超声波纠偏传感器应用高频超声波直线传播的原理，用来检测卷材的边缘位置。与光电传感器相比，不会受材料透明度的影响，所以使用时无需调节，非常方便。适用于不透气材料（例如塑料薄膜，纸张等等）的追边应用（透气材料例如布，无纺布不适用）。

■ 主要技术参数

跟踪方式	对边跟踪
电源输入	DC12V
输出信号	模拟量输出0~5V双路开关量信号
检测范围	6mm (± 3.0mm)
检测精度	± 0.05mm
外壳材质	铝合金
重量	250g

■ 功能特点

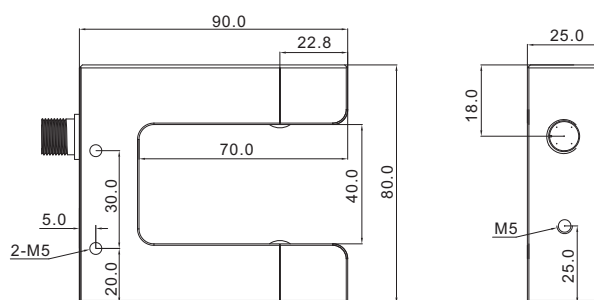
- 1.支持一路模拟量/二路开关量输出
- 2.适合于所有不透气的材料（如透明薄膜、纸张等）
- 3.无需人工调整校准
- 4.200K超声波对射
- 5.0.05m/s反应时间
- 6.检测范围6mm，检测精度0.05mm
- 7.自带偏移量显示

■ 操作说明 为满足不同精度要求，三种状态选择

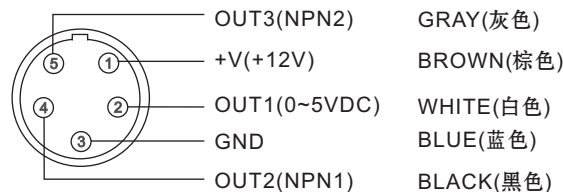
完成材料校准后会出现黄红灯闪烁

- 1、长按“SET”键7秒直到出现中间蓝灯闪烁（此时状态为0.5mm）
- 2、短按“SET”键一下，两个黄灯闪烁（此时状态为1.0mm）
- 3、短按“SET”键一下，两个红灯闪烁（此时状态为2.0mm）
- 4、选定以上三种状态之一后，长按“SET”6秒保存退出，完成

■ 外型尺寸



■ 接线图



本产品在一年的之内非人为因素而不能正常工作，可将原件寄回本厂，本厂负责调换新品。

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US-400S Series Ultrasonic sensor



Ultrasonic sensor applies the principle of high frequency ultrasonic linear transmission to detect the edge of the material, comparing to photoelectric sensor, it will not be affected by the transparency of the materials. Thus it is very convenient and no need to adjust. It is suitable for edge application of opaque material (such as plastic film, paper etc? and transparent material, such as cloth, but not for non-woven fabrics.).

Key technical parameters

Tracking method	Edge tracking
Power input	DC12V
Output signal	one-way analog 0-5V two way switch signal
Detecting range	6mm (± 3.0 mm)
Detecting precision	± 0.05 mm
Housing material	Aluminum alloy
weight	250g

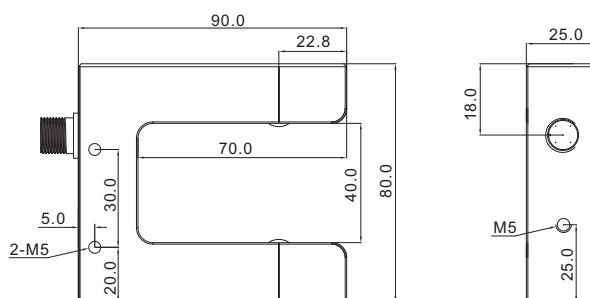
Functions and features

- 1.Support 1 way analogue/2 way on-off output
- 2.Suitable for all air impermeable materials (such as transparent film,paper etc.)
- 3.No need for manual calibration.
- 4.200K ultrasonic correlation
- 5.0.05m/s response time
- 6.Detecting range:6mm, detecting precision: 0.05mm
- 7.With own offset display

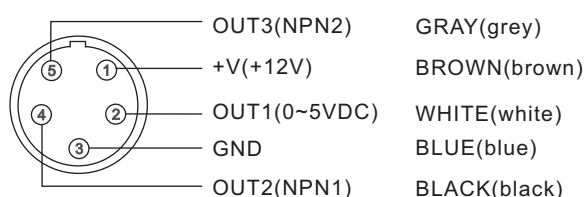
Operation procedure: 3 status options offered for different accuracy needs, yellow and red light flicker after complete material correction

- 1.Press “SET” 7 seconds until middle blue light flickers (status 0.5mm)
- 2.Press “SET” once, two yellow lights flicker (status 1.0mm)
- 3.Press “SET” once, two red lights flicker (status 2.0mm)
- 4.Press “SET” on any of the above 3 status for 6 seconds to store and exit

Dimension



Cable connection interface



Guarantee: 12months

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