



JULONG

巨龙光电



PS-400S 系列

—— 槽型光电传感器

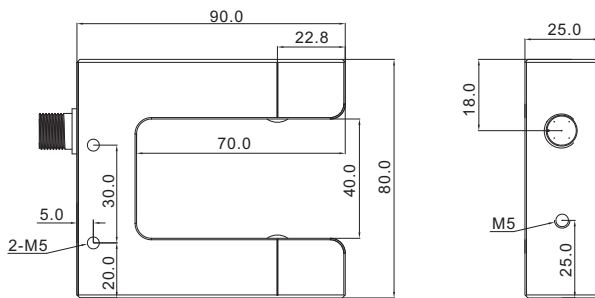


PS-400S光电传感器是基于可见光的对射型纠偏传感器，适用于对卷材的追边应用。

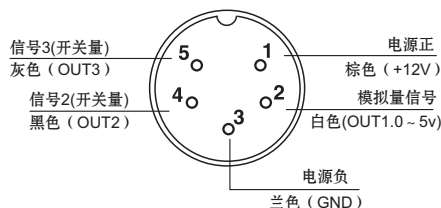
■ 主要技术参数

跟踪方式	对边追踪
电源输入	DC10 ~ 30V
输出信号	一路模拟量0 ~ 5V双路NPN型开关量
检测范围	8mm(± 4mm)
可调精度	± 0.02mm
检测方式	光电对射
载波频率/响应频率	100KHz/1KHz
防护等级	IP54
重量	250g
环境	-10 ~ 80℃,RH90% 以下
外壳材质	铝合金
材料校准	需要

■ 外型尺寸



■ 接线图



■ 功能特点

- 支持模拟量/开关量输出
- 适合于不透明、透明薄膜的追边应用
- 可见光对射
- 100K频率载波编码,不受环境光线影响
- 检测范围5mm, 检测精度0.02mm
- 高稳定性,高精度

■ 校准步骤

- 1、长按“SET”键3秒以上，指示灯全部闪烁。
- 2、请把物料移开,短按“SET”键一下，指示灯滚动闪烁后--中间蓝灯闪烁。
- 3、用材料完全遮挡传感器U型对射的光源，然后短按“SET”键一下，等待3秒自动校准材料。
- 4、检查校准情况,将材料移开，没有材料遮挡，一边指示灯全亮，用材料遮挡，另一边指示灯全亮校准成功。

■ 为满足不同精度要求， 开关量不感应三种状态选择

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1.5mm）
- 3、短按“SET”键一下，两个红灯闪烁（此时状态为3mm）
- 4、选定以上三种状态之一后，长按SET6秒保存退出，完成。

本产品在一年的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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PS-400S Series Slot photoelectric sensor

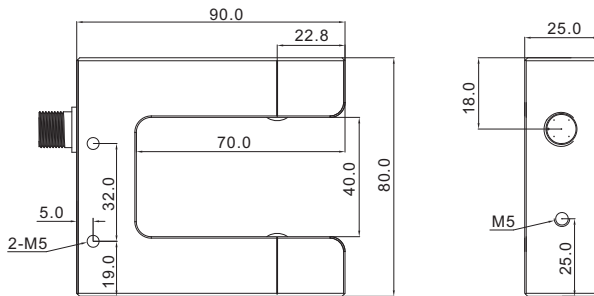


Through beam web guiding sensor based on visible light, suitable for edge tracking of rolling materials.

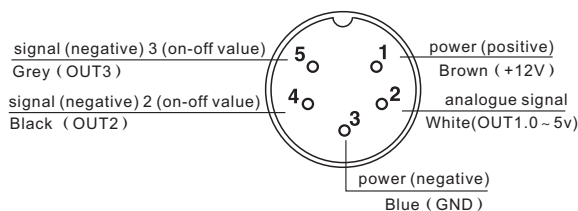
Key technical parameters

Tacking method	Edge tracking
Power input	DC 10~30V
Signal output	One-way analog 0~5V, Two-way NPN on-off signal
Detecting range	8mm(±4mm)
Detecting precision	±0.02mm
Detecting method	Photoelectric opposite beam
Carrier frequency / response frequency	100KHz/1KHz
Protection level	IP54
Weight	250g
Environment temperature	-10~80℃, below RH90%
Housing	Aluminum Alloy
Material calibration	needed

Dimension



Connection interface



Guarantee: 12months

Functions and features

- *Support analogue/on-off output
- *Suit for edge tracking of opaque, transparent thin film.
- *through beam of visible light
- *carrier coding with frequency of 100K, not affected by ambient lights
- *detecting range:5mm, detecting precision: 0.02mm
- *high stability and precision

calibration steps

1. Press 'set' longer than 3 seconds and all the signal lights flash.
2. Remove the material, give a short press on 'set', the middle blue light flashes after signal lights flash in rotation.
3. Use the material to block the beams of U shape sensor, then click the 'set' and wait for 3 seconds until self calibrating the material.
4. Check the calibration result, remove the material and all the lights on one side turn on without material blocking, and all the lights turn on on the other side with material blocking lights. Calibration succeeds based on this result.

3 options when on/off signal not responding (for different precision requirements)

Yellow and red lights flash after calibration finished:

1. Long press on 'set' for 7 seconds until middle blue light flashes (status is 0.5mm at the moment)
2. Short press on 'set' then two yellow lights flash (status:1.5mm)
3. Short press on 'set' then two red lights flash (status:3mm)
4. After selecting one of the above 3 status, long press on 'set' 6 seconds for storing, then exit.

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