



# Photohead **PH22**

The Photohead PH22 is a sensor designed to detect a transparent web or a nonwoven fabric as a detector for EPC. The sensor adopts SPD as the detector element and white LED as the light source to offer a long time, safe operation of meandering detection.

## Features

Detects even a slight displacement of web by emitting light with uniform intensity.

Use of SPD enables faster reaction and improves the detection accuracy for high-speed operations.

Detects a 0.1mm displacement of transparent web.

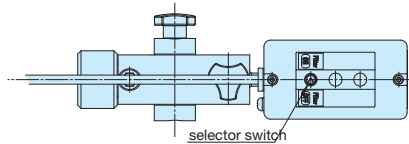
Use of white LED for the light source enables a long time, stable operation and helps to reduce cost.

**A sensor most suitable for sensitive materials that does not use ultraviolet or infrared as the light source**  
**Easy detection setup eases the burden on the users**

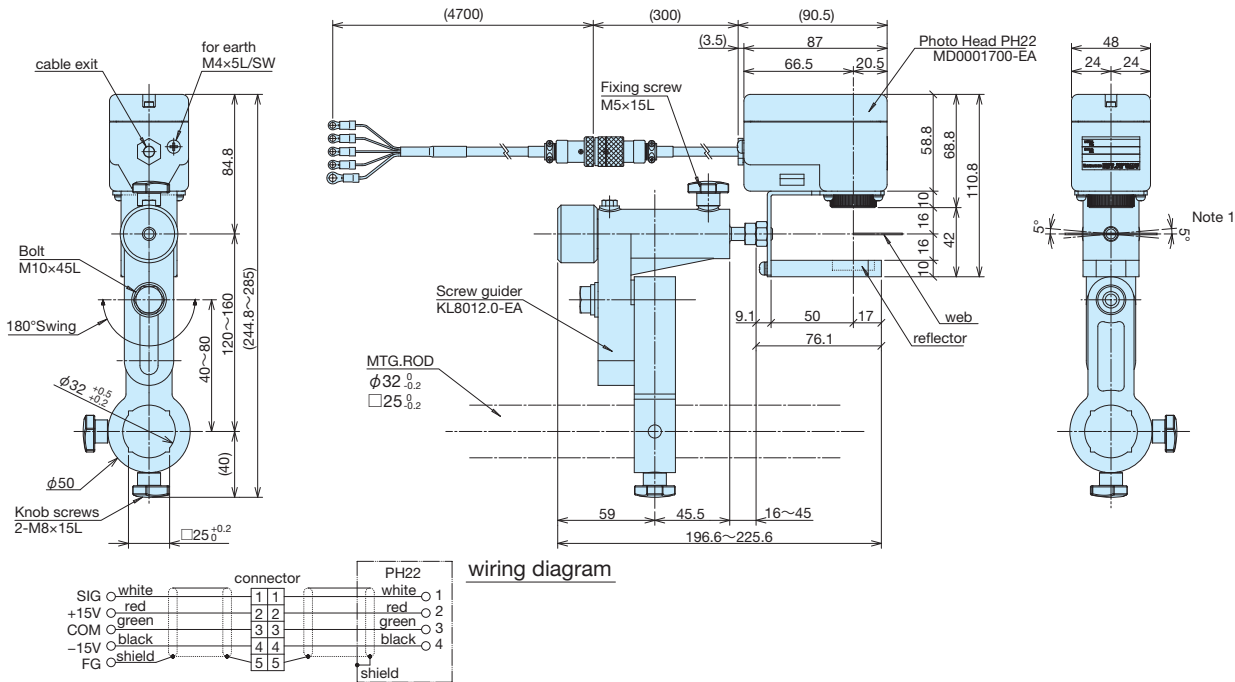
## External dimensions

selector switch compatibility table

Filter ON	Filter ON	Filter OFF	Filter OFF
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Note 1.  
For a transparent web or a mirror surface web, tilt the head over 5 degrees to the web.



## Specifications

Spotlight Distance	32mm
Detection field of view	6mm
Light source	White LED
Light source wavelength	Visible Light
Sensitivity	Detect displacement 0.1mm of non-transparent web
Output voltage	0 to 5V DC
Detection element	SPD
Power supply	±15V DC
Ambient temperature	0 to ±50°C
Response frequency	Filter ON 3Hz (PH20A equivalent) Filter OFF 30Hz
Main body material	Cast Aluminum Alloy
Mass	Head: 450g Cable: 250g

We reserve the right to change the specifications in this catalog without prior notice to improve and update our products.



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