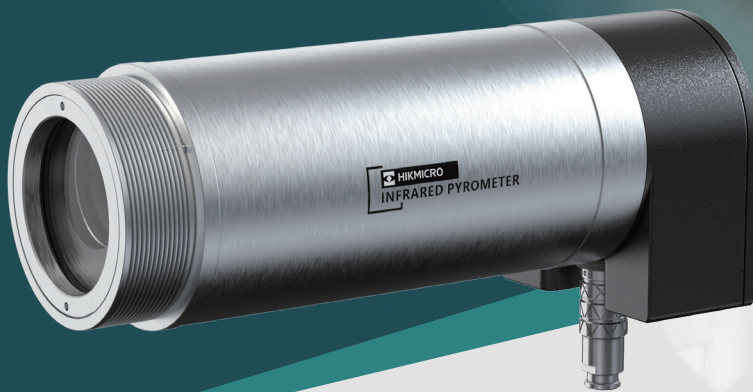


# HIKMICRO

## PD1 SERIES PYROMETER



HIKMICRO PD1 Series Pyrometer is a high-performance, intelligent two-color thermometer that can accurately measure the temperature of medium and high temperature targets. It is often used in various industrial sites with high demands for temperature control.

VISIT OUR WEBSITE :



- **Wide temperature measurement range:**  
500°C-3200°C
- **High temperature measurement accuracy:**  
temperature measurement accuracy  $\pm 0.3\%+1^{\circ}\text{C}$ ,  
repeatability  $\pm 0.1\%+1^{\circ}\text{C}$
- **Convenient operation:**  
light-sensitive buttons, debug without opening the protective cover, touch to switch the video and data interfaces
- **Multiple aiming methods:**  
video, forward LED light source, eyepiece
- **High-definition video:**  
5MPx high-definition video, no color difference, more detailed restoration
- **Multiple transmission modes:**  
Support digital signal connection to client and 4-20mA analog output at the same time

Model No.	PD110	PD111	PD120	PD121
Spectral Response	0.8μm & 1.08μm (Two Color)			
Temperature Range	1000°C~3200°C		500°C~1800°C	
Accuracy	±(0.3%*T <sub>mea</sub> +1)°C , T <sub>mea</sub> means "Current measured temperature"			
Resolution	0.1°C			
Repeatability	±(0.1%*T <sub>mea</sub> +1)°C , T <sub>mea</sub> means "Current measured temperature"			
Optical Resolution (D:S)	300:1		100:1	
Spot Size	1mm	2mm	3mm	4mm
Response Time	1ms			
Slope	0.850 ~ 1.150			
Emissivity	0.100 ~ 1.100			
Sighting	Laser, visual display, eyepiece			
Focus Range	0.3m~0.6m	0.6m~INF	0.3m~0.6m	0.6m~INF
Field of View (FOV)	11° x 8°			
Optical Resolution	2688*1944			
Display	2.4" OLED screen, resolution 600*448			

## Appearance Overview

Infrared & Visible Lens

Laser



Eyepiece

Photosensitive Configuration Button

Touchable OLED Display



## Accessory (Optional)



HM-AIBR01/PY  
Fixed Bracket for Pyrometer



HM-AIBR02/PY  
Adjustable Bracket for Pyrometer



HM-AICH01/PY  
Water-/Air-Cooled Housing for Pyrometer



HM-AIPU01/PY  
Air Purge for Pyrometer



DS-1701ZJ  
Wall Mount for Water-/Air-Cooled Housing