

The HIKMICRO PD121 high-performance pyrometer is an excellent choice for harsh industrial environments to measure high temperature and generate alarms, which is designed to be flexible and easy-to-install. It features a 2.4" OLCD screen with resolution 600\*448 and can measure temperatures from 500°C~1800°C(932°F~3272°F) with high accuracy.

- Temperature measurement range: 500°C~1800°C(932°F~3272°F)
- Accuracy: ±(0.3%\*Tmea+1)°C or ±(0.3%\*Tmea+1.8)°F , Tmea means "Current measured temperature"
- Resolution: 0.1°C/0.18°F
- Repeatability: ±(0.1%\*Tmea+1)°C or ±(0.1%\*Tmea+1.8)°F, Tmea means "Current measured temperature"
- Optical Resolution (D:S): 100:1(90% energy)
- Spot Size: 6mm
- Focus Range: 0.6m~INF
- 2.4" OLCD screen with resolution 600\*448
- Protection Level: IP65
- 3 Ways of Sighting: Laser, visual display, eyepiece



# Specification

Measurement Specifications					
Spectral Response	0.8µm~1.08µm				
Temperature Range	500°C~1800°C(932°F~3272°F)				
Accuracy	$\pm$ (0.3%*Tmea+1)°C or $\pm$ (0.3%*Tmea+1.8)°F , Tmea means "Current measured temperature"				
Resolution	0.1°C/0.18°F				
Repeatability	$\pm (0.1\%$ *Tmea+1)°C or $\pm (0.1\%$ *Tmea+1.8)°F , Tmea means "Current measured temperature"				
Optical Resolution (D:S)	100:1 (90% energy)				
Spot Size	6mm				
Response Time	1ms				
Slope	0.850 ~ 1.150				
Emissivity	0.100 ~ 1.100 Laser, visual display, eyepiece				
Sighting					
Signal Processing	Averaging mode, temperature filter mode, peak/valley hold mode				
Focus Range	0.6m~INF				
Visual					
Field of View (FOV)	11° x 8°				
Optical Resolution 2688*1944					
Data Communication					
	Supports proportional output, 16-bit resolution, max load 600 $\Omega$ - Interface: 4-				
Analog Output	20mA - Output Types: 4-20mA/0-20mA/0-5V/0-10V				
Digital Output	RS485				
Alarm Output	Supports relay control, dual control methods -COM output: Optocoupler				
	isolation, delay time less than 2ms - PNP output: DC24V				
Protocols	TCP/IP				
General					
Power Supply	DC 24V				
Power Consumption	Max 10W				
Display	2.4" OLCD screen, resolution 600*448				
Laser	Yes				
Protection Level	IP65				
Working Temperature Range	- Without cooling: -20°C to +65°C (-4°F to +149°F) - With air & water cooling accessories: -20°C to +300°C (-4°F to +572°F)				
Storage Temperature Range	-20°C to 70°C (-4°F to +158°F)				
Relative Humidity	< 95% non-condensing				
Vibration	1 g, IEC 60068-2-6				
Shock	15 g, IEC 60068-2-27				

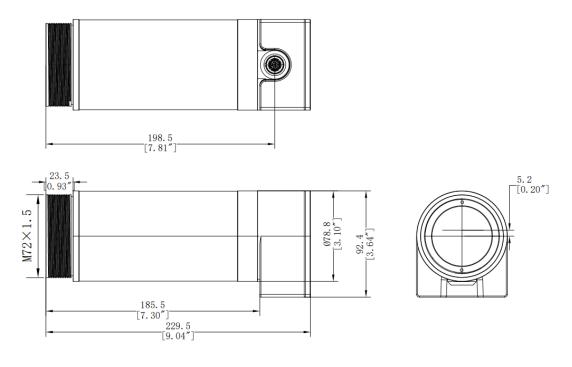


Dimension	87.8 x 92.4 x 229.5mm(3.1 x 3.64 x 9.04 in)		
Weight	1780g(3.92 lb)		
Warranty	5 years for the full product		

#### Available Model

HM-P10D10-5018-F2/ELV

## Dimension



Unit:mm[Inch]



## Accessory

## Optional

DS-1701ZJ Wall Mount for Water- /Air-Cooled Housing	HM-AFA01 Switching Mode Power Supply	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				



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