PS230
Pyrometer



Features

- Temperature measurement range: 700°C ~3200°C (1292°F~5792°F)
- Accuracy: up to ± (0.3%*Tmea+2) °C or ± (0.3%*Tmea+3.6)°F , Tmea means "Current measured temperature"
- Resolution: 0.1°C /0.18°F
- Repeatability: up to ± (0.1%*Tmea+1) °C or ± (0.1%*Tmea+1.8) °F , Tmea means "Current measured temperature"
- Optical Resolution (D:S): 200:1(90% energy)
- Spot Size: 1.5mm
- Focus Range: 0.3m~INF
- Protection Level: IP66
- Sighting: Visual display

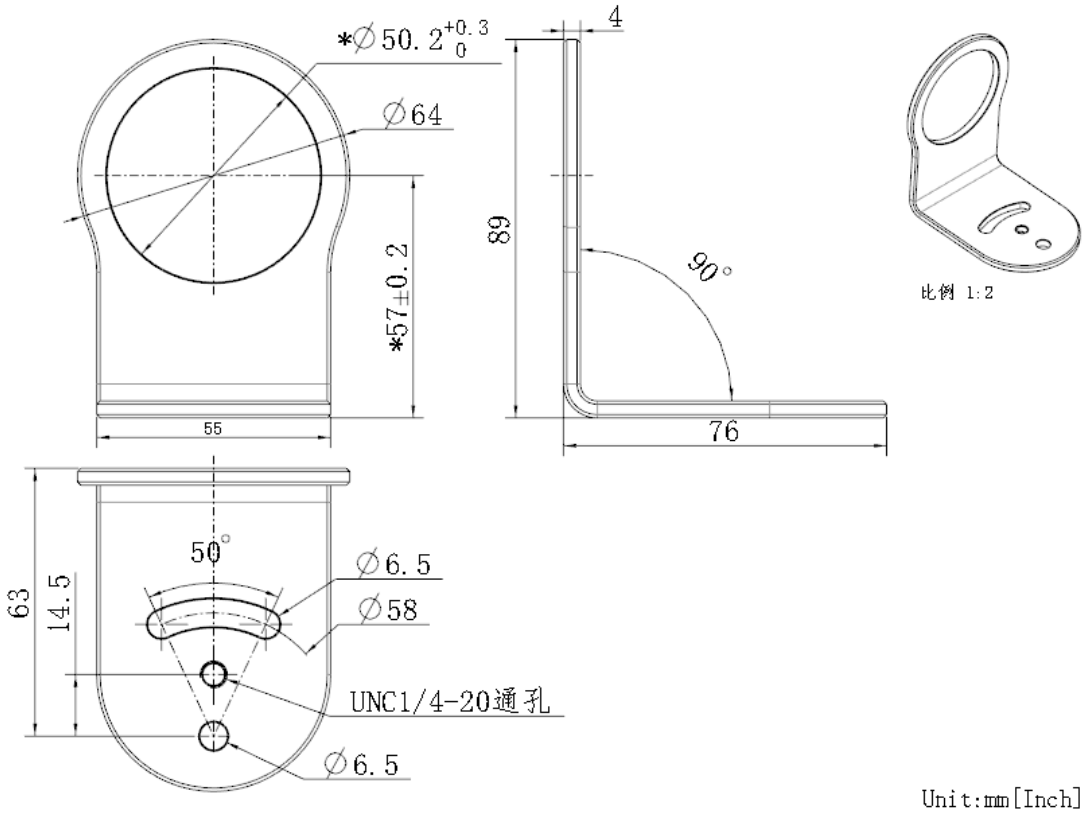
▪ Specification

Measurement Specifications	
Spectral Response	0.8μm ~ 1.08μm (Single Color)
Temperature Range	700°C ~3200°C (1292°F~5792°F)
Accuracy	± (0.3%*Tmea+2) °C /± (0.3%*Tmea+3.6) °F *At ambient temperature 23 ± 5°C *ε=1; response time 100 ms; no attenuation *Tmea means "Current measured temperature"
Resolution	0.1°C /0.18°F
Repeatability	± (0.1%*Tmea+1) °C /1± (0.1%*Tmea+1.8) °F *At ambient temperature 23 ± 5°C *ε=1; response time 100 ms; no attenuation *Tmea means "Current measured temperature"
Optical Resolution (D:S)	200:1 (90% energy)
Spot Size	1.5mm
Response Time	10ms
Emissivity	0.100 ~ 1.100
Sighting	Visual display
Signal Processing	Averaging mode, temperature filter mode, peak/valley hold mode
Focus Range	0.3m~INF
Visual	
Field of View (FOV)	7° x 5.5°
Optical Resolution	1728*1296
Data Communication	
Analog Output	Supports proportional output, 16-bit resolution, max load 400Ω - Interface: 4-20mA - Output Types: 4-20mA/0-20mA
Digital Output	RS485, Modbus RTU, Modbus TCP, I/O
Alarm Output	Support temperature alarm, ambient temperature alarm, dirt alarm, FSMC alarm, 4-20mA alarm, relay alarm, I/O alarm
Protocols	TCP/IP
General	
Power Supply	DC 10~30V
Power Consumption	Max 5W
Display	OLCD screen, resolution 128*32
Laser	No
Protection Level	IP66
Working Temperature Range	- Without cooling: 0°C to +65°C (32°F to +149°F) - With air & water cooling accessories: 0°C to +300°C (32°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	φ52.4 x 148.7mm (φ2.06 x 5.85in)
Weight	680g(1.5 lb)

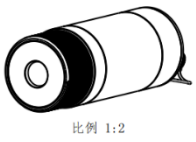
▪ Available Model

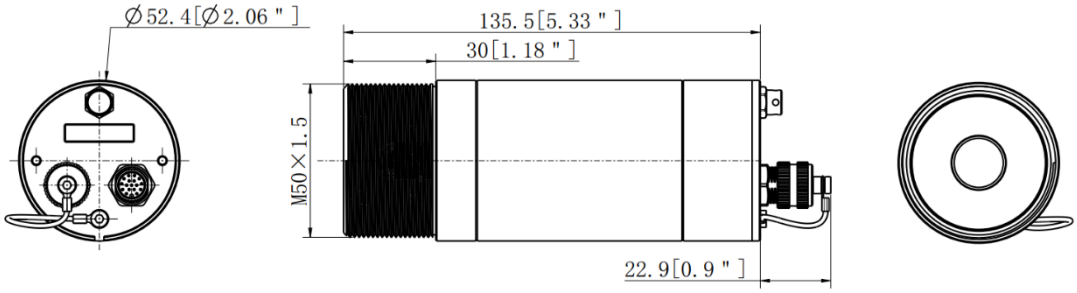
HM-P20S10-7032-F4/V

▪ Dimension

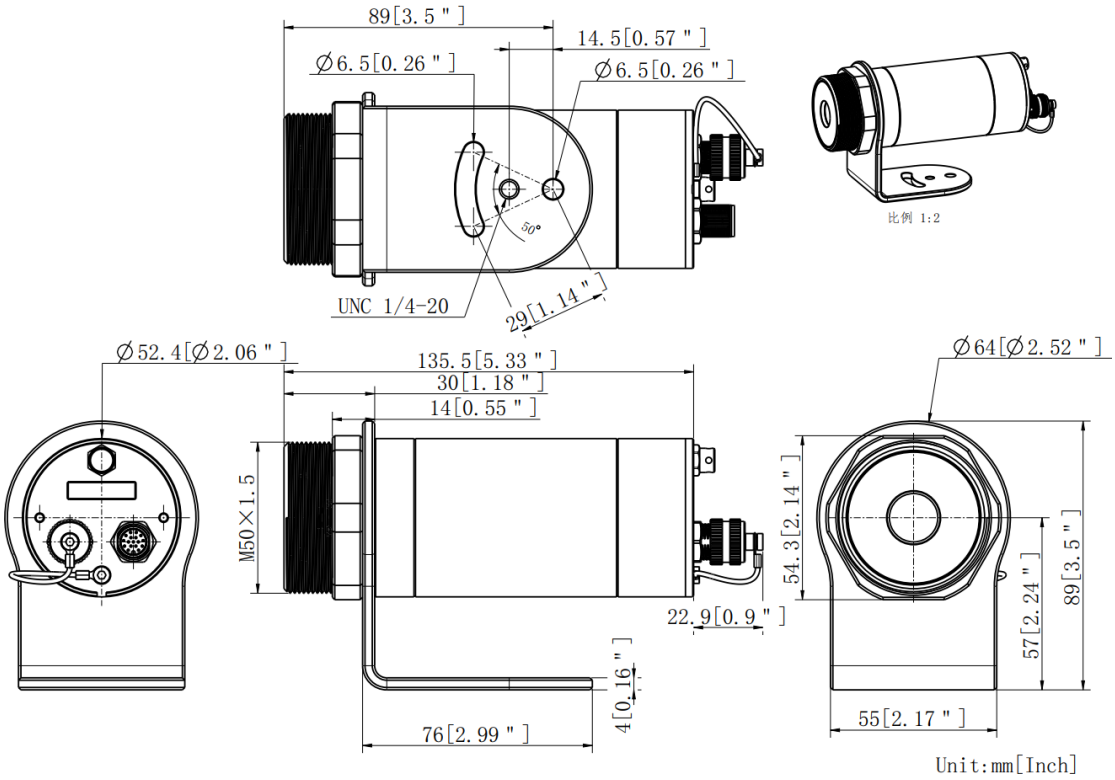


Unit:mm[Inch]





Unit:mm[Inch]



COMPLIANCE NOTICE: The thermal series products might be subject to export controls in various countries or regions, including without limitation, the United States, European Union, United Kingdom and/or other member countries of the Wassenaar Arrangement. Please consult your professional legal or compliance expert or local government authorities for any necessary export license requirements if you intend to transfer, export, re-export the thermal series products between different countries.

HIKMICRO

© HIKMICRO All rights reserved.

*Note: Specifications are subject to change without notice. For the current specs, please go to www.hikmicrotech.com