

IR-861U/862U/863U/865U/866U/861/862/863/865/866

Professional High Temperature IR Thermometer

With USB Interface



APPLICATIONS

- ▶ General Maintenance
- ▶ HVAC
- ▶ Food Service Equipment
- ▶ Cold Storage
- ▶ Metallurgy
- ▶ Forging, Petrochemicals, Railways
- ▶ Electrical Power
- ▶ Mechanical Manufacturing

FEATURES

- ▶ Optical resolution: D:S=50:1
- ▶ Adjustable emissivity: 0.1~1.0
- ▶ Fast response time: <250ms
- ▶ MAX/MIN/AVG/DIF functions
- ▶ Adjustable High/Low alarm
- ▶ Overrange indication
- ▶ PC real-time monitoring and recording



IR-861U series
 Dimension(H*W*D):192*126*61mm
 Weight: 300 g
 Accessories: User's manual, 9V battery, tripod, carrying case, gift box, USB Cable, Software.

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Specifications

Model	IR-861	IR-861U	IR-862	IR-862U
IR Temp. Range	-50°C~-1150°C -58°F~2102°F	-50°C~-1150°C -58°F~2102°F	-50°C~1350°C -58°F~2462°F	-50°C~1350°C -58°F~2462°F
USB		✓		✓
Optical Resolution(D:S)	50:1	50:1	50:1	50:1
Emissivity	Adjustable: 0.10~1.0			
Basic Accuracy	-50~0°C/-58~32°F : ±4°C; 0~500°C/32~932°F : 1.5% of reading ±2°C/3.6°F; Above 500°C/932°F : 2% of reading ±2°C/3.6°F			
Repeatability Accuracy	±0.5°C/1.8°F	±0.5°C/1.8°F	±0.5°C/1.8°F	±0.5°C/1.8°F
IR Temp. Resolution	0.1°C/°F	0.1°C/°F	0.1°C/°F	0.1°C/°F
Response Time	<250ms	<250ms	<250ms	<250ms
Response Wavelength	8~14 μm			
Temp. Conditions	Operation: 0~50°C / 32~122°F; Storage: -20~70°C / -4~158°F			
Humidity Conditions	Operation: <95%RH(Non-condensation); Storage: <80%RH			
Diode Laser	Output <1mW, Wavelength 630~670nm, class II			

IR-863	IR-863U	IR-865	IR-865U	IR-866	IR-866U
-50°C~1650°C -58°F~3002°F	-50°C~1650°C -58°F~3002°F	-50°C~1850°C -58°F~3362°F	-50°C~1850°C -58°F~3362°F	-50°C~2250°C -58°F~4082°F	-50°C~2250°C -58°F~4082°F
	✓		✓		✓
50:1	50:1	50:1	50:1	50:1	50:1
Adjustable: 0.10~1.0					
-50~0°C/-58~32°F : ±4°C; 0~500°C/32~932°F : 1.5% of reading ±2°C/3.6°F; Above 500°C/932°F : 2% of reading ±2°C/3.6°F					
±0.5°C/1.8°F	±0.5°C/1.8°F	±0.5°C/1.8°F	±0.5°C/1.8°F	±0.5°C/1.8°F	±0.5°C/1.8°F
0.1°C/°F	0.1°C/°F	0.1°C/°F	0.1°C/°F	0.1°C/°F	0.1°C/°F
<250ms	<250ms	<250ms	<250ms	<250ms	<250ms
8~14 μm					
Operation: 0~50°C / 32~122°F; Storage: -20~70°C / -4~158°F					
Operation: <95%RH(Non-condensation); Storage: <80%RH					
Output <1mW, Wavelength 630~670nm, class II					