

Model AR-6500 series

Contact & Non-Contact Thermometer

AR-6500 series infrared thermometers are capable of non-contact temperature measurement and come with contact type thermometer functions.

AR-6500模式系列

AR-6500模式系列为非接触式红外线温度计，同时也搭配了接触式温度计功能。

AR-6500シリーズは、非接触で温度測定が可能な放射温度計に、接触式温度計の機能を搭載した温度計です。



AR-6500 Series
Handy type

Features

- Broad measurement range
- Small measurement area
- Wide range of emissivity settings
- Automatic emissivity setting using contact-type probe

Specifications

Model		AR-6500	AR-6501	AR-6500-H	AR-6501-H
Measurement range		-50~500℃		0~1200℃	
Resolution		0.1℃		1℃	
Laser aiming		●	●	●	●
Contact mode		●	●	●	●
Measurement accuracy		*TABLE I		*TABLE II	
Reference junction compensation accuracy		±0.2℃ at 25±10℃			
Temperature coefficient		±0.01% of full scale ℃			
Power supply		Ni-Cd rechargeable battery (4AA)			
Battery life		30 hours~ (10 hours when laser is used continuously)			
Environmental limit	Operation	0~40℃, 0~80%RH (Without dew)			
	Storage	-20~50℃, 0~85%RH (Without dew)			
Analog output (*Table III)		—	1mV/℃	—	1mV/℃
Weight		approx. 400g			
Accessories		Manual, Soft case, Lens cap, Charger			
		—	Output cable	—	Output cable

***TABLE I**

AR-6500, AR-6501			Field of view
			unit : mm
Non-contact	250~500℃	± (0.8% of reading + 1digit)	
	0~250℃	± (2℃ + 1digit)	
	-50~ 0℃	± (3℃ + 1digit)	
Contact	-50~500℃	± (0.05% of reading + 0.1℃) ± 1digit	

***TABLE II**

AR-6500-H, AR-6501-H			Field of view
			unit : mm
Non-contact	600~1200℃	± (0.5% of reading + 1digit)	
	250~ 600℃	± (3℃ + 1digit)	
	0~ 250℃	± (4℃ + 1digit)	
Contact	0~1200℃	± (0.1% of reading + 1digit)	

***TABLE III**

Output rate	1mV / ℃
Accuracy	± (0.15% of F/S+1mV) : at 25±5℃
	± (0.15% of F/S+1mV) ±0.01% of F/S : except 25℃±5℃

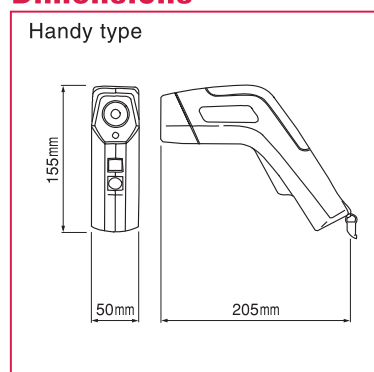
Non-contact mode

Detector	Thermopile
Spectral response	8~14 μm
Repeatability	± (0.4% of reading + 1digit)
Response time	approx. 300ms
A-constant adjustment	0.10~2.00 (0.01 step)
Laser aiming	L2 models meet ICE Class2

Contact mode

Input	Thermocouple Type : K
Sampling time	approx. 300ms
Input connector	ANP connector (Miniature plug)

Dimensions



●Accessories

Charger
B-115/230-5.5
(for AC115V or 230V)



Not CE-approval