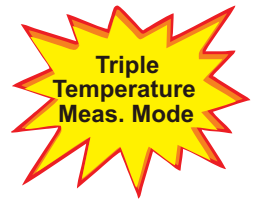


# IR Thermometer

## Introduction :

The IR thermometer can determine the surface temperature by measuring the amount of infrared energy radiated by the target's surface or by contact using a thermocouple probe as well as measure ambient temperature.

IR thermomter is specially designed for use in heating, ventilating air conditioning (HVAC), heavy industry, green house and agriculture food and catering, laboratory, process control, etc.



## Specifications :

Model No.	<input type="checkbox"/> MS-IT03A	<input type="checkbox"/> MS-IT03AK	<input type="checkbox"/> MS-IT03B	<input type="checkbox"/> MS-IT03BK
Measuring temperature mode	a) Object (Surface) b) Ambient (Air) c) Thermocouple ('K' type) (for MS-IT03AK / MS-IT03BK only)			
'K' type thermocouple temperature		*		*
Object (Surface) from	-20 °C ~ 600 °C (-4 °F ~ 1112 °F)		*	*
	-50 °C ~ 600 °C (-58 °F ~ 1112 °F)	*	*	
Ambient (Air) temperature from -20 °C ~ 70 °C (-4 °F ~ 158 °F)	*	*	*	*
Thermocouple measureable from -50 °C ~ 1000 °C (-58 °F ~ 1832 °F)		*		*
Resolution 0.1 °C (0.1 °F)	*	*	*	*
Unit conversion	°C (Celsius) / °F (Fahrenheit)			
Accuracy	a) -50 °C ~ -15 °C (-58 °F ~ 5 °F), +/- 5 °C			
	b) -15 °C ~ 0 °C (5 °F ~ 32 °F), +/- 4 °C			
	c) 0 °C ~ 100 °C (32 °F ~ 212 °F), +/- 2 °C			
	d) 100 °C ~ 600 °C (212 °F ~ 1112 °F), +/- (3% rdg + 1°)			
Over / under range display	Hi / Lo			
Emissivity	0.95 (fixed)		0.05-1.00	
Distance to spot (D:S)	12:1		10:1	
Laser pointer	*	*	*	*
Back light	*	*	*	*
Audible sound	*	*		
Hold / Freeze reading	*	*	*	*
Large LCD display	*	*	*	*
Auto power off	Approx 10 secs. when release the button			
Response time	< 1 sec.			
'K' type temperature Ni-Cr and Ni-Si sensor, temperature range measureable -40 °C ~ 250 °C (-40 °F ~ 482 °F) to be provided		*		*
Battery powered (included)	1 x 9V (6F22 / 6LR61 / 1604)			
Dimensions (LxWxD) mm	138x72x40			
Weight (approx.) grams	110 (without battery)			



MS-IT03A series



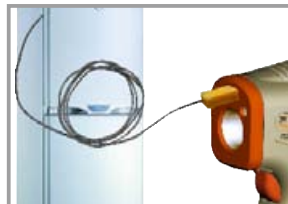
MS-IT03B series



Ambient Temp.  
Measurement



Object Temp.  
Measurement



'K' Type Sensor Measurement  
(for MS-IT03AK / MS-IT03BK only)

- Features and specifications are subject to change without prior notice.  
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