

**Best Detectors,  
Best Service**



**IR-100**

# IR-100



## ● Features

The IR-100 Non-contact infrared thermometer measures the amount of infrared energy emitted from an object and simultaneously converts a standard current signal (4-20 mA), or RS-485 communication signal, and outputs it to the outside.

You can see temperatures and settings from your PC with the standard software, infrathermoman. It consists of an IR-100 infrared sensor unit and a signal processing module, and the temperature value can be seen in real time on the display of the product itself. The temperature measurement range of the object can be measured from 75°C to a maximum of 2400°C depending on the code number

The user can change the measurement range and use it. By adjusting an optical lens , it is possible to accurately measure an object at a long distance with high measurement accuracy with an optical resolution of 100:1.

It can be used by adjusting the emissivity from 0.010 to 1.000, and the value can be measured by aiming at the object using a laser pointer

- Application

Aluminum, chromium, copper, metal, magnesium, nickel oxide, platinum, gold, silver, titanium oxide, zinc, tin, iron, steel, brass, etc

## ● Specification

Item	IR-100
<b>POWER</b>	DC24V
<b>Current Consumption</b>	6W
<b>Analog Output</b>	4-20mA
<b>Communication Output</b>	RS-485
<b>Display</b>	LED 4digit green display
<b>Emissivity</b>	0.00~1.00
<b>Response Time (t90)</b>	1ms
<b>Accuracy</b>	1°C or 0.5%
<b>Aiming</b>	Laser Beam
<b>Operating Temperature</b>	0~75°C
<b>Relative Humidity</b>	95%RH(non-condensing)
<b>International Protection</b>	IP65
<b>Weight</b>	1.2kg
<b>Material</b>	SUS304



## ● Order Code

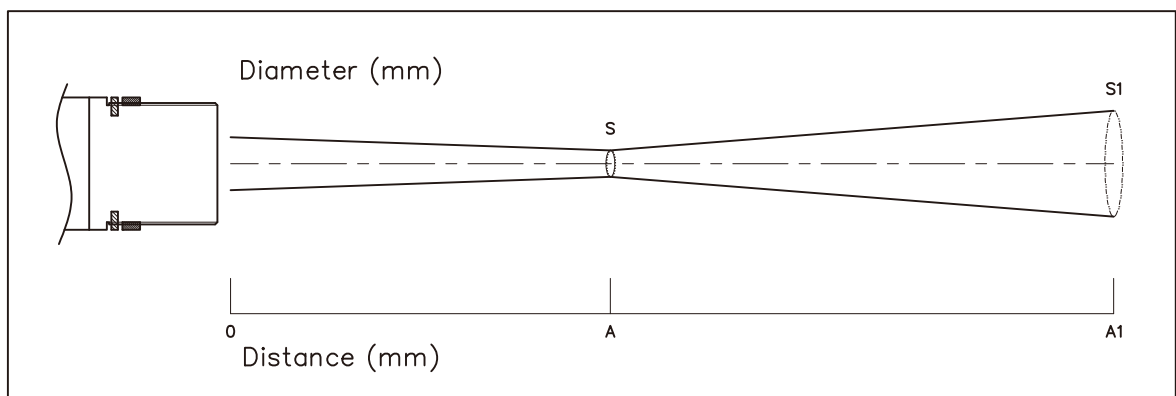
IR - 100 -  -

Temperature
1300°C~2400°C
500°C~1500°C
150°C~700°C
75°C~400°C
Customized

Measurement Distance(A)	Measurement Distance(S)	Measurement Distance(A1)	Measurement Distance(S1)
250mm	9mm	530mm	16mm
200mm	4mm	600mm	13mm
86mm	1.8mm	200mm	15.5mm
Customized			

For example “IR-100-1-1” indicates 1300°C~2400°C temperature, 250mm measurement distance(A), 9mm measurement distance(S), 530mm measurement distance (A1) and 16mm measurement distance(S1).



IR-100



## ● Dimension

