Non-Contact Infrared Temperature

10-IRman

Sensor / Transmitter

GASDNA

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1. Features

10-IRman non-contact infrared thermometer measures the amount of energy from object and converts it to standard current signal (4~20mA) or RS-485 communication signal and transmit these signals to output.

The measuring temperature range of objects can be from -20℃ to maximum 1000℃ and user can adjust this range.

Adapting optical lens offers improved measuring accuracy and 40:1 Field of View offers accurate measurement for long distance object.

Emissive rate can be adjusted 0.10 ~ 0,99.

Using laser pointer, you can aim at the target object to be measured.

2. Ordering Information

Code Number 10-IRman -□-□-□

MODEL	Description
10-IRman	
Code A	Temperature Range
1	0~700℃
2	0~1000℃
3	-20~1000℃
Z	Other
Code B	Output
M	DC 0~20mA
N	DC 4~20mA
V	Voltage Output (DC 1~5V)
Code C	Cable Length
1	3m Cable
Z	Other

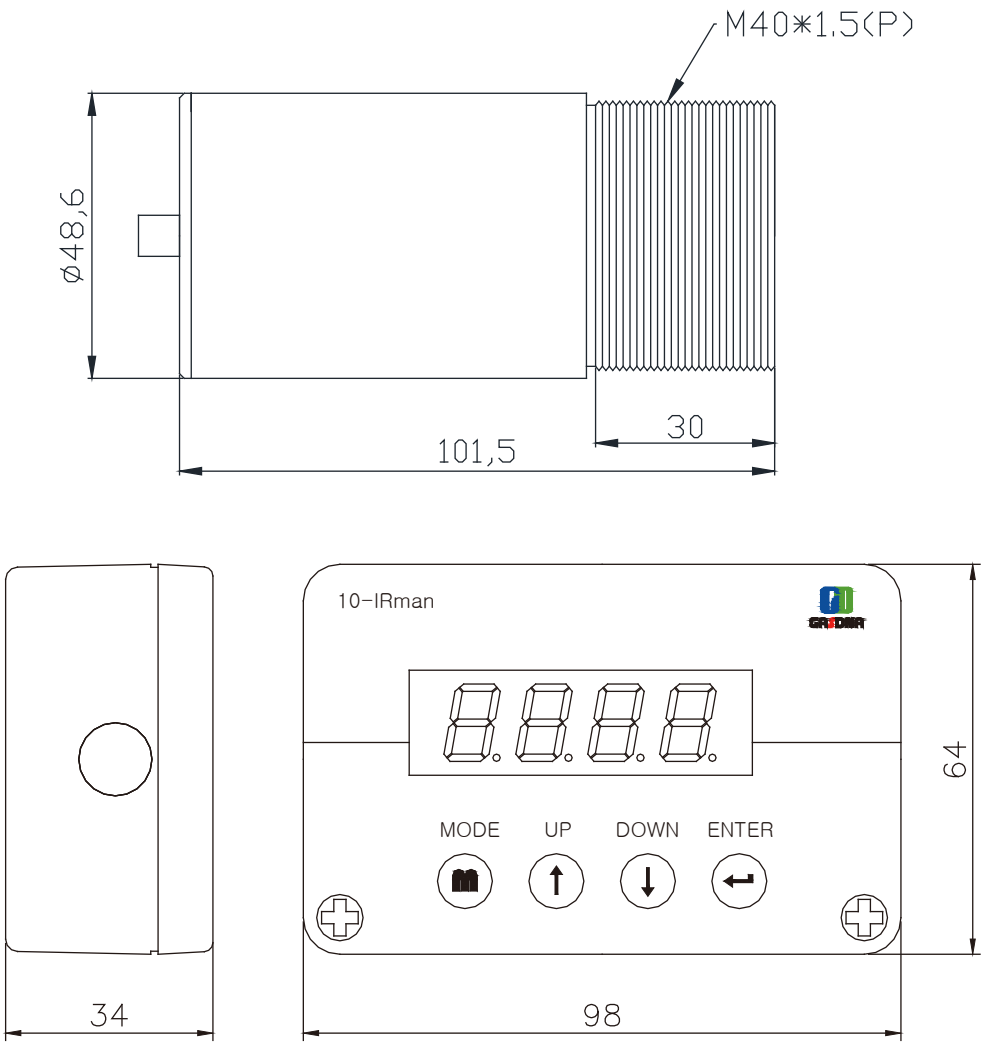
3. Accessories

Description	Shape	Usage	Remark
Fixing nut		Sensor fixing nut	Basic accessory
Mounting Bracket		Sensor mounting bracket	Basic accessory

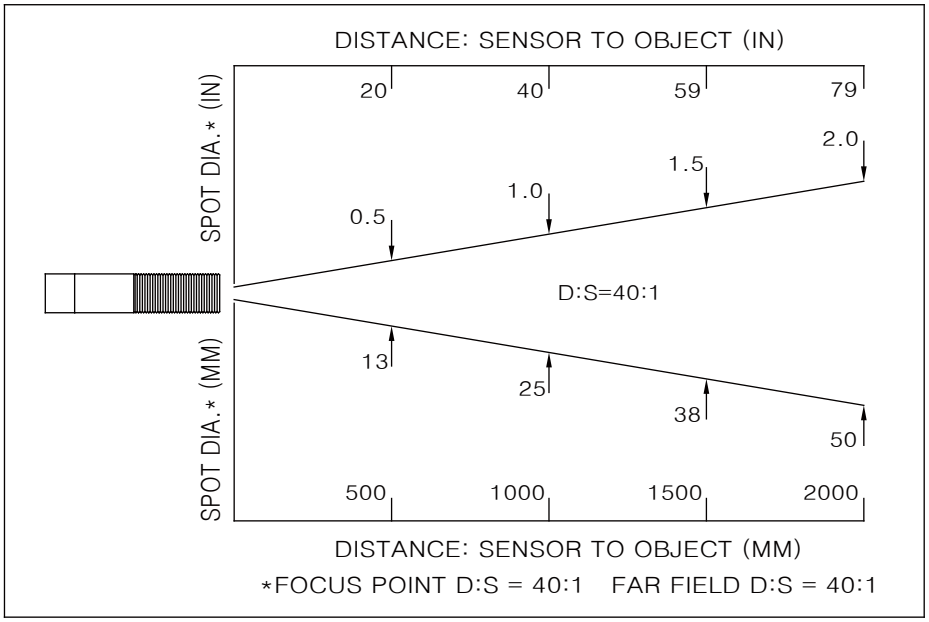
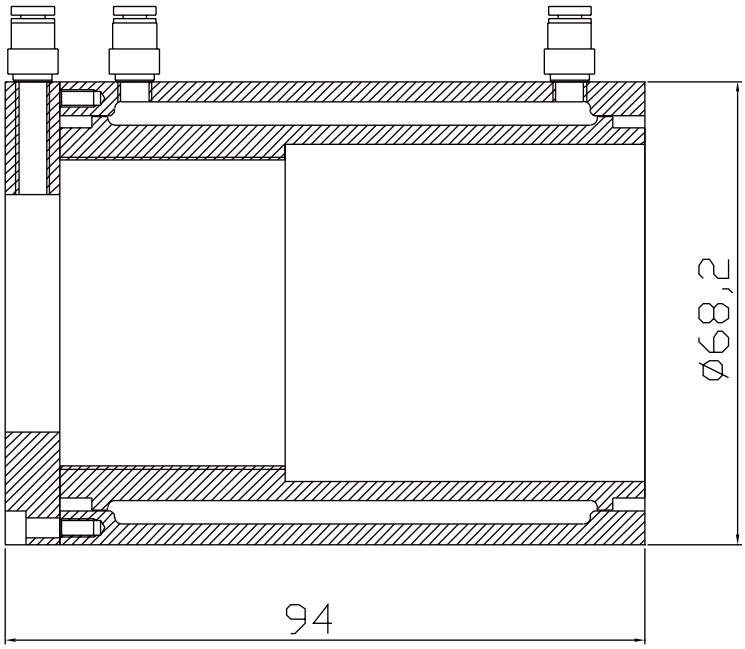
4. Specifications

Segment	10-IRman
Temperature Range	0~1000℃
Device	Thermopile
Accuracy	±1℃ or 1%
Repeatability	±1% of Rdg
Field of View(D:S)	40:1
Optical spectrum wave	8~14㎛
Responsive Time	100msec or below
Emissive rate	0.10~0.99
Analog Output	4~20mA
Communication output signal	RS-485 communication signal
Power	DC 12~30V (Max 80mA)
Ambient temperature	0~70℃ (no water cooling)
Temperature Resolution	0.1℃
Operating Relative Humidity	5~90%
Operating Ambient Temperature	-30~85℃
Waterproof	IP65, NEMA 4
Laser pointer	630~670nm(red)
Dimensions	Ø48.6 ×101(L)
Casing material	Aluminum Alloy
Weight	430g
Cable length	3m,other

5. 10-IRman Outside Dimension



6. Optical Field of View (DS 40:1)



7. Air Cooling Jacket (Option)