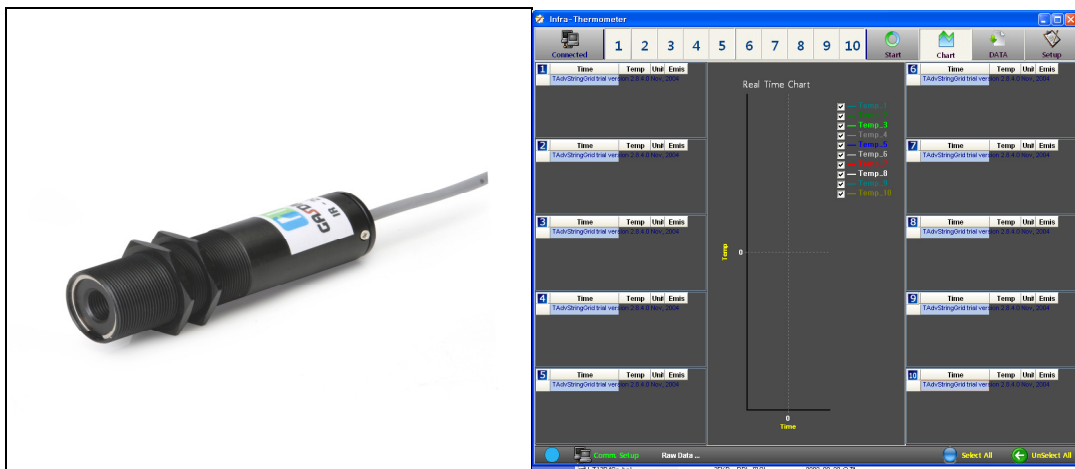


# Non-Contact Infrared Temperature Sensor/Transmitter



**Temperature Range: 0~400 °C**

## IR – 21



### 1. Features

IR-20 non-contact infrared thermometer measures the infrared wavelength emitted from the target spot and converts it to standard current signal output (4~20mA). It can measure from 0 °C to maximum 400 °C in the distance of 10:1 D:S (Distance to Spot)

Emissivity is 0.95 (fixed).

#### ※Applications



Plastics, Fluids, Rubber, Coated components, Asphalt, Wood, Paper, Ceramics, Textiles, Glass, Food etc.

## 2. Ordering information

Code Number IR-20-□-□-□

MODEL	Description
IR-20	
Code A	Temperature Range
1	0~200 °C
2	0~400 °C
Z	Other
Code B	Output
N	DC 4~20mA
V	Voltage Output(1~5V)
Z	Other
Code C	Cable Length
1	3M
Z	Other

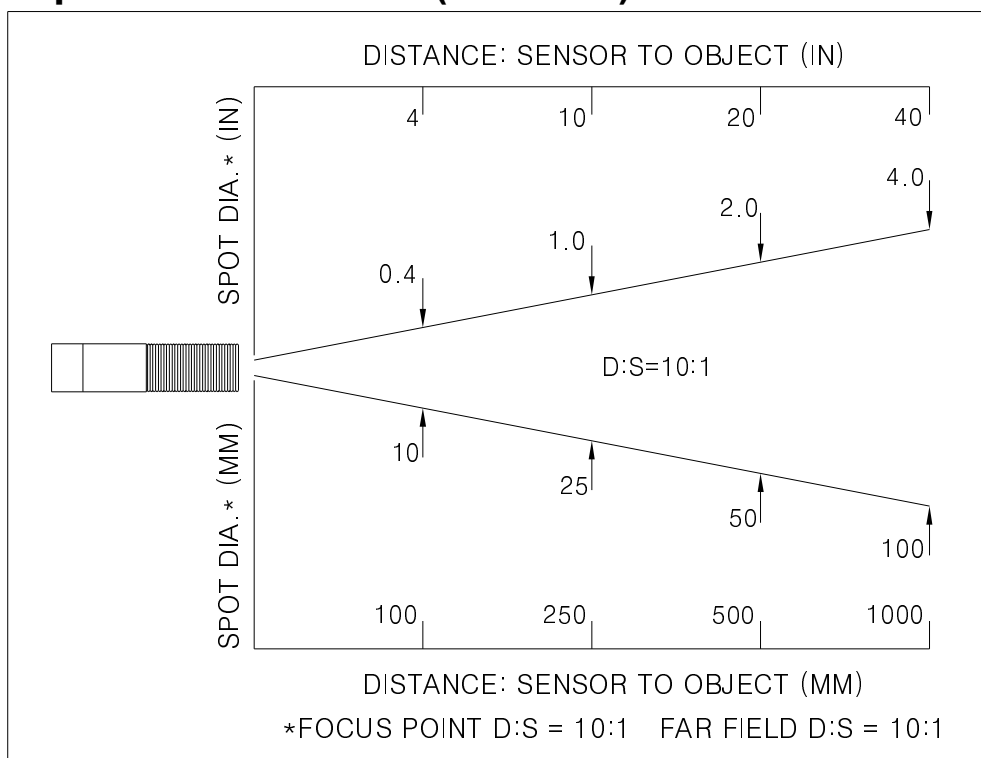
## 3. Accessories

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

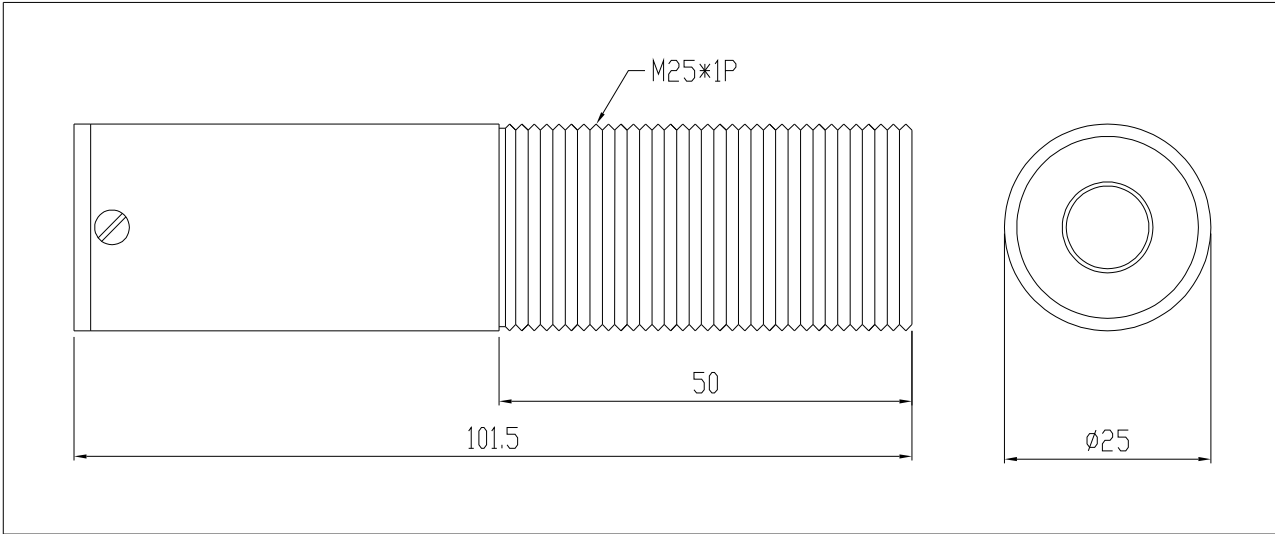
## 4. Specification

Segment	Specification
Measurement Range	0~400℃
Device	Thermopile
Accuracy	±1% / full scale
Repeatability	±1% of reading
Distance : Spot	10:1
Optical spectrum wave	8~14μm
Responsive Time	0.5 sec or below
Emissivity	0.95 fixed
Analog Output	4~20mA, 1~5V(option)
Power	DC 12~24V(Max 50mA)
Ambient temperature(no water cooling)	0~70℃
Temperature Resolution	0.1℃
Warm up Period	1 to 2 minutes
Operating Relative Humidity	5~90%
Operating Ambient Temperature	-30~85℃
Waterproof	IP65,NEMA 4
Dimensions	Ø36 × 110.5(L)
Signal Cable	2 wire shield type
Housing material	Aluminum Alloy
Weight	160g
Cable length	3m(standard), other(option)



## 5. Optical field of view (D:S 10:1)



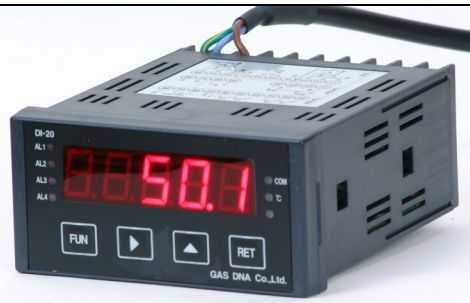
## 6. Dimension



## 8. Option

Name	Picture
Air-purge	 <p>A black, cylindrical component with a threaded section and a blue cap.</p>
Up and down adjustable Bracket	 <p>A black, L-shaped bracket with a circular cutout.</p>

Indicator  
(Model No. DI-20)



2 Inch LED Display



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