

On-line infrared thermometer

Model TB-2000LT-SFA2

FEATURES

- 1 Temperature range : 0 ~ 500°C
- 2 Optical resolution up to 1:15
- 3 150 ms response time
- 4 4 ~ 20mA output (2 wire)
- 5 Digital communication
- 6 Simultaneous use of analog and digital outputs
- 7 Rugged IP66 aluminum housing
- 8 Standard 2m connection cable
- 9 SToonline Software available

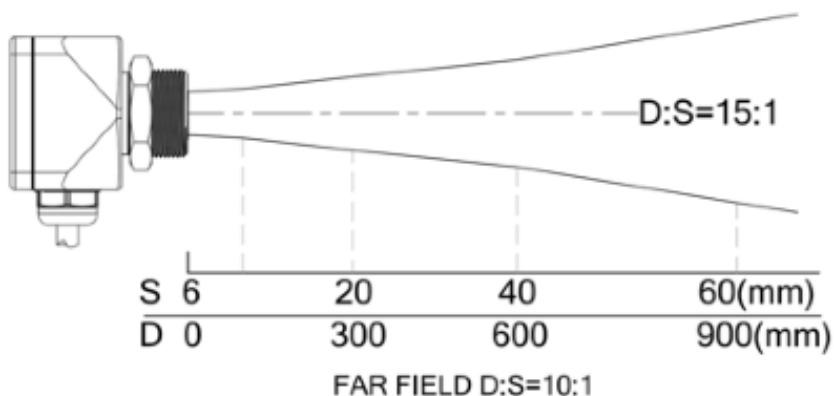


DESCRIPTIONS

Model TB-2000LT-SFA2 is a compact on-line infrared thermometer for non-contact temperature measurement in the range of 0 to 500°C. It provides linear 4~20mA output (2-wire) as well as TTL interface for external display, recording or data-processing. Both analog and digital outputs can be utilized simultaneously.

TB-2000LT-SFA2 has aluminum housing that can be mounted easily in field. It has wide applications in research, food, engineering and other industries.

Optical Specifications



General

Environmental Rating	IP 66
Ambient Temperature	-10°C to 70°C
Storage Temperature	-20°C to 80°C
Relative Humidity	10 to 95%, non-condensing
Cable Temperature	-20°C to 80°C PVC
Weight	210g

Electrical

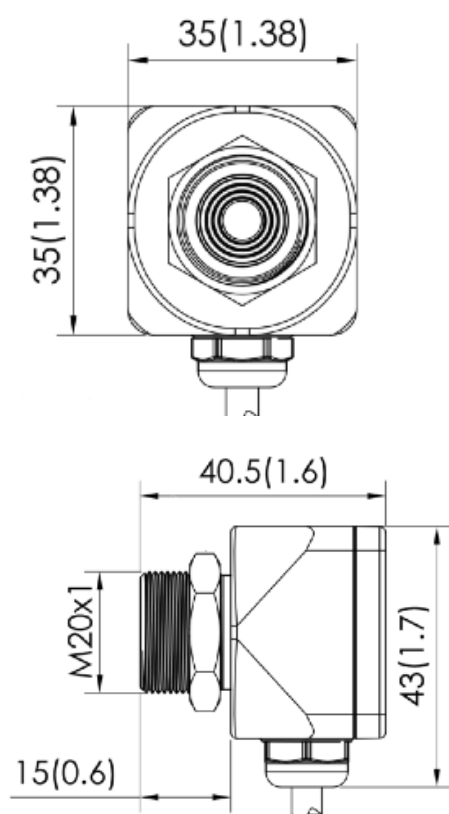
Analog Output	4~20mA (2-wire)
Power Supply	24 VDC ± 20%
Cable Length	2m, options : 5m or 10m

Measurement

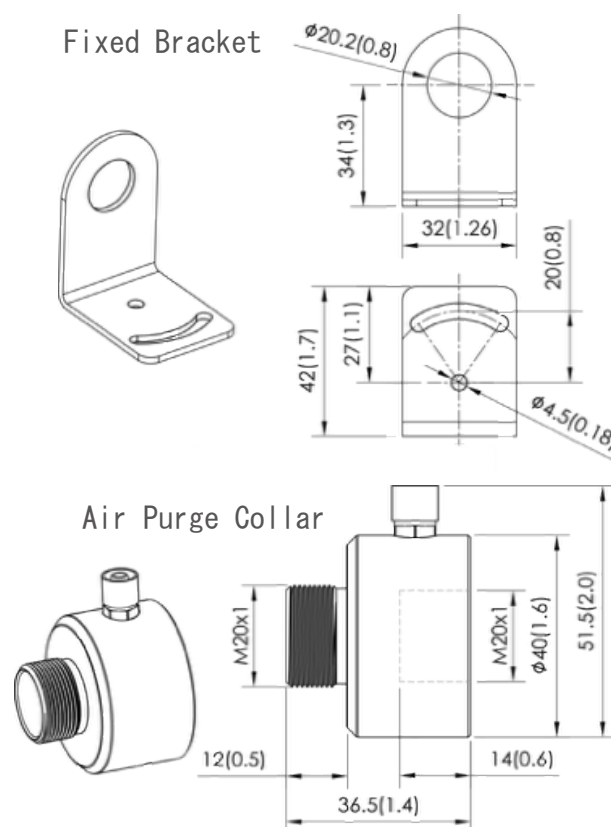
Temperature Range	0°C ~ 500°C (32°F to 932°F)
Spectral Response	8 ~ 14μm
Optics Resolution (90% energy)	15 : 1
Accuracy*1	±1.5% of reading or ±1.5°C, whichever is greater
Repeatability*1	±0.5% of reading or ±1°C, whichever is greater
Temperature Resolution	0.1°C
Response Time (95% signal)	150 ms
Emissivity	0.950 (Fixed)

*1 At 23°C ±5°C ,emissivity = 0.95

Dimensions(mm)



Optional Accessories



DUE TO CONTINUOUS PRODUCT IMPROVEMENT, THE DESIGN AND TECHNICAL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE

TASHIKA CO., LTD.

1-12, Kaiyo-cho, Ashiya, Hyogo
659-0035 Japan
Tel: + 81-797-23-9035 Fax: + 81-797-23-2105
e-mail: sales@tashika.co.jp URL: www.tashika.co.jp

