

TASHIKA

Online infrared thermometer

Model TB-2000-40-MSF-A2

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 STonline Software available

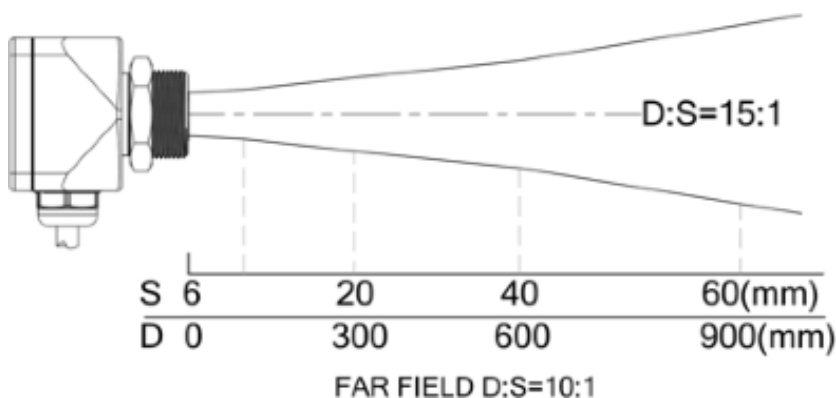


DESCRIPTIONS

Model TB-2000-40-MSF-A2 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 interfaces for external display, recording or data-processing. Both analog and digital outputs can be utilized simultaneously.

TB-2000-40-MSF-A2 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

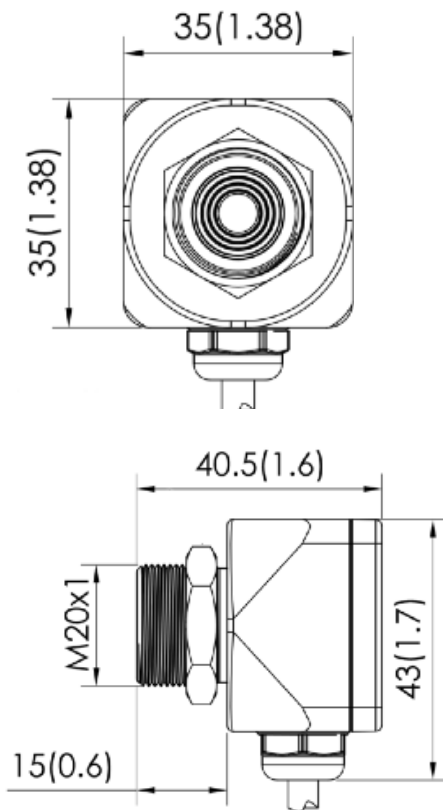
Analog Output	4~20mA (2-wire)
Power Supply	24 VDC \pm 20%
Cable Length	2m, options : 5m or 10m

Measurement

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

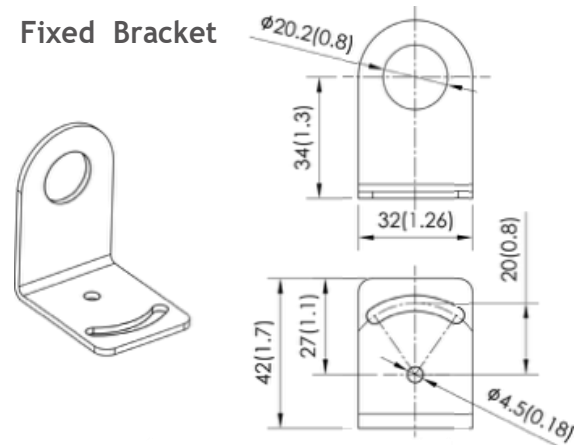
*¹ At 23°C \pm 5°C, emissivity = 0.95

Dimensions(mm)

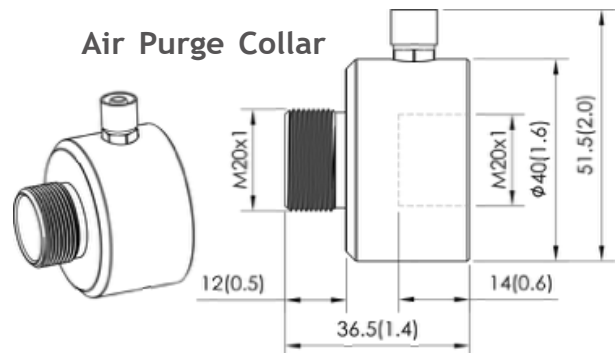


Optional Accessories

Fixed Bracket



Air Purge Collar



Due to Continuous product improvement, the design and technical specification are subject to change without prior notice.

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