

Non- Contact IR Thermometer

Model: TB-1100-PO

Wide Temperature Range
 Providing Professional IR Sensor for Different Application



Highlights

- Temperature Range: 0°C ~500°C
- Optical Resolution up to 33:1
- 6 Digit Back lighting LCD Display
- Dual Laser Sighting
- 0~5V or 4~20mA output
- Digital Communication
- ST Software
- Rugged IP65 Aluminum Housing
- Standard 3 meter cable
- Adjustable Signal Processing

Specification

Model	TB-1100-PO
Temperature Range	0°C ~ 500°C (32°F to 932°F)
Spectral Response	8 ~ 14 μm
Optics Resolution(90%energy)	33 : 1(SF) 13:1 (CF)
Accuracy	±1% of reading or ±1°C, whichever is Greater
Repeatability	±0.5% of reading or ±0.5°C,whichever is Greater
Temperature Resoulution	0.1°C
Response Time(95% signal)	150 ms
Emissivity (adjustable)	0.100 ~ 1.000, in 0.001 increments
Analog Output	0 ~ 5 V or 4 ~ 20mA
Digital Output	TTL / USB Optional
Minimum Load Impedance(V)	10 KΩ
Maximum Loop Resistance (A)	500 Ω
Ambient Temperature	0°C to 70°C
Storage Temperature	-20°C to 85°C
Relative Humidity	10 to 95%, non-condensing
Cable Temperature	-20°C to 80°C
Signal processing	Peak Hold, Valley Hold, Average
Current Draw	max. 100 mA
Display	6 digit backlit LCD display
Cable Length	3 m (standard 4-cores), 5 m, 10 m
Software	ST online
Power Supply	24 VDC ± 20%
Environmental Rating	IP 65 (NEMA-4)
Weight	330g

Marketed in India by,

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