



PORTABLE INFRARED THERMOMETER

MODEL TB-1000-TPSF

FEATURES

- Laser aiming
- 4 digit LCD display
- Target/distance ratio 1:15
- IP 67 class waterproof design
- Audio visual high and low alarms
- USB interface and graphic software

DESCRIPTION

TB-1000 is a battery operated pocket-sized infrared radiation thermometer for quick non-contact temperature measurement in the range of $-30\sim 600^{\circ}\text{C}$ with high accuracy and repeatability.

Operation of TB-1000 is very simple. Just point the thermometer at the target and press the measure button. Measured temperature is displayed on LCD. Laser pointer is provided for aiming at the target.

Measured data can be transferred to PC through USB port and displayed in graphic format using dedicated software. Visual and audio high and low alarms are provided to alert the operator.

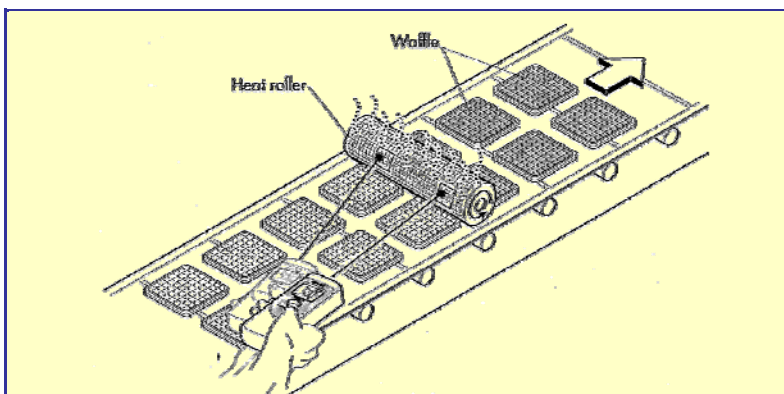
TB-1000 finds variety of application in various industries like food and engineering. It is very useful general purpose maintenance tool.

MODEL

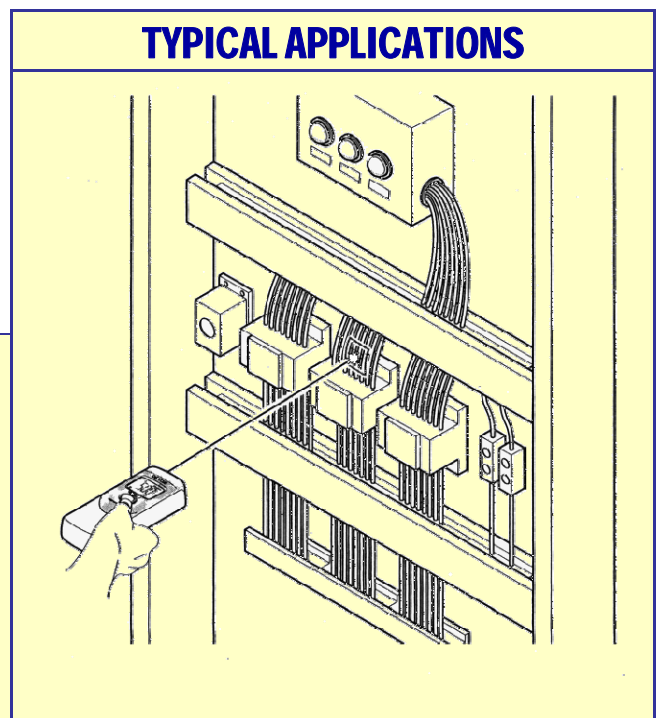
TB-1000-TPSF



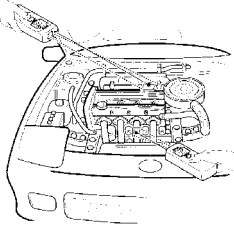

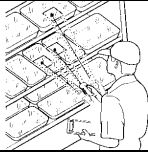

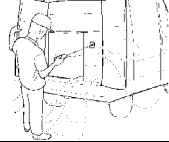
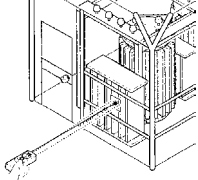
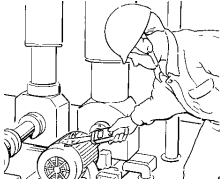
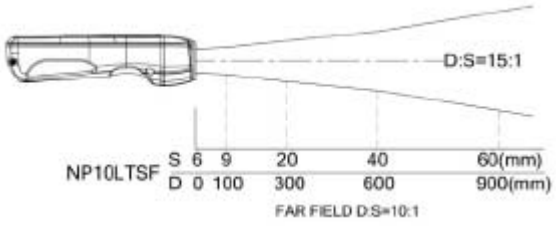
TYPICAL APPLICATIONS



Roller temperature monitoring in food industry



Control panel cable fault detection

TB-1000-TPSF TECHNICAL SPECIFICATION		MORE APPLICATIONS
Measurement specifications		
Temperature range	-30 ~ 600° C (-22 ~ 1112° F)	
Spectral response	8 ~ 14 μ m	Car engine maintenance
Target distance ratio	15:1 (90% energy)	
Accuracy*	±1% of reading or ±1° C, whichever is greater	
Repeatability*	±0.5% of reading or ±0.5° C, whichever is greater	
Sighting	Laser, IEC Class2/FDA Class II (<1mW)	Mixture temperature control
Response time	300 ms (95% signal)	
Emissivity	0.10 ~ 1.00 (adjustable)	
Resolution	0.1° C	
Alarm functions	Visual and acoustic HIGH and LOW alarm	Refrigerated showcase check
Software	TBonline	
Electrical specifications		
Digital output	USB	
Display	4 digit backlit LCD display	Cooking temperature control
Power supply	2 x AAA alkaline batteries	
Battery life time	20 hours (laser on)40 hours (laser off)	
Protection class		
Protective structure	IP 67 (waterproof)	Temperature checking of frozen food
Ambient temperature	0~ 50° C	
Storage temperature	- 20 ~ 60° C without battery	
Relative humidity	10 ~ 95%, non-condensing @up to 30° C	
Dimensions	143(L) x 51(W) x 35(H) mm	Transformer overheating prevention
Weight	120g	
* At 23° C ± 5° C, emissivity = 0.95		
Optical Specifications		
		Electric motor overheating prevention

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

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