

### Features

- Fast temperature measurement
- Audible temperature alarm
- Integrated data logger with real time clock
- Adjustable Emissivity
- K type thermocouple Socket
- Laser on/off
- Large Multicolor LCD display with automatic back-light and keys for parameterization
- Auto off functionality
- Min, Max & Avg. temperature indication
- Battery Indication
- Bluetooth communication



### Overview

TI-1800 portable digital pyrometer are specially designed for both non contact infrared and probe contact (K type thermocouple) temperature measurement. This instrument has a LCD display, Bluetooth

digital interface, Small Spot Size.

This instrument is equipped with inbuilt laser to simplify the alignment of the pyrometer .



### Technical Specifications

Model	TI-1800
Temperature range	250°C to 1800°C
Emissivity	0.1 to 1.00
Spectral range	1.6 um
Distance to Spot Ratio	100:1
Response time	200 msec
Battery life	50 hrs (without laser)
Accuracy	0.5% of measured value(non-contact IR model) +1°C whichever is greater 0.3% of full scale (Thermocouple type K probe mode)
Temperature Unit	°C/°F
Operating Temperature	0°C to 50°C
Power Supply	2x AAA battery, 1.5V
Laser Sighting	Single laser pointer
Data logging	1000 measured values of temperature and emissivity
RTC	Yes
Buzzer	Yes : High & Low Temperature
Digital Interface	Bluetooth
Weight	370g
Dimensions	213mm x 66mm x 195mm
Tripod Thread	UNC ¼"

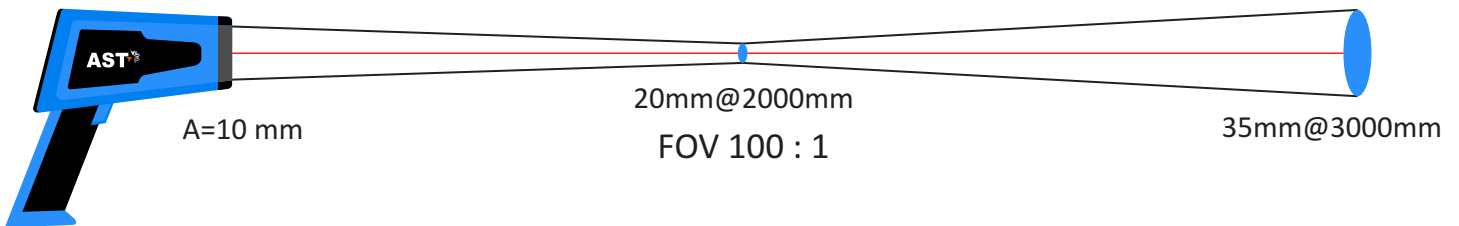
## Multicolor Display



TI-1800

## Spot Sizes

### TI-1800



## Application

### TI-1800

- Induction Heating
- Casting
- Annealing
- Welding
- Forging
- Sintering
- Melting
- Rolling
- Hardening



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