

# Low Cost Pyrometer

## -60°C to 1500°C



AST TI 1500



AST TI 750



AST TCT 500

### Features

- Large LCD display with power back light
- Mini thermocouple socket up to 1400°C
- Display the specific temperature with emissivity
- Laser and back light on/off control
- °C / °F switch mode



### Applications

- Plant/General Maintenance
- HVAC/R
- Transportation/Automotive
- Cooling and Reheating
- Serving areas
- Food service Equipment
- Cold Storage
- Surface temperature of furnace
- Motor surface temperature & bearing temperature
- Electric terminator bus bar

### Technical Specifications

Model	AST TCT 500	AST TI 750	AST TI 1500
Measurement range	-60° to 500°C	-60° to 760°C	-60° to 1500°C
Emissivity	0.95 Fixed	0.1 ..... 1 adjustable	0.1 ..... 1 adjustable
Distance to spot size ratio	12 : 1	12 : 1	50 : 1
Spectral range	8 ..... 14 µm	8 ..... 14 µm	8 ..... 14 µm
Accuracy & repeatability	± 2% of reading or 2°C, Whichever is greater	± 2% of reading or 2°C, Whichever is greater	± 2% of reading or 2°C, Whichever is greater
Response time	1 Sec	1 Sec	1 Sec
Sighting	Single laser pointer	Single laser pointer	Dual laser pointer
Operating temp. range	0 ..... 50°C	0 ..... 50°C	0 ..... 50°C
Power	battery - AAA x 2	battery - AAA x 2	Alkaline - AAA x 2
Protection class	IP20	IP20	IP20
Storage temperature	-30 ..... 70°C	-30 ..... 70°C	-30 ..... 70°C
Dimension & weight	175.2 x 39.0 x 71.9mm, 179 grams	175.2 x 39.0 x 71.9mm, 179 grams	47 x 197 x 203.3mm, 386 grams
Other features	N/A	Back light , "K" Type Thermocouple input Socket	Back light , buzzer, Flash LED, Thermocouple Input Socket Memory - Detailed 24 Memories with Temperature & emissivity