

# Infrared Non Contact Pyrometers

We measure accurate temperature in extreme conditions

## PRODUCT OVERVIEW




- ✓ Single Color Pyrometers
- ✓ Two Color Pyrometers
- ✓ Focusable Pyrometers
- ✓ Fiber Optic Pyrometers
- ✓ Special Pyrometers
- ✓ Software
- ✓ Accessories



### T - Series

### T - Series

### E - Series

						
Models	TL8	TL514	TL390	T2-250	T2-450	EL50 & EL50H
Features	Digital IR Pyrometer with Analog output, TTL output & USB interface for parameter setting	Digital IR Pyrometer with Analog output, TTL output & USB interface for parameter setting for glass surface temperature measurement	Digital IR Pyrometer with Analog output, TTL output & USB interface for parameter setting for measurement through flame	Digital IR Pyrometer in two wire technique, Analog output, TTL output, Laser pilot light & USB interface for parameter setting	Digital IR Pyrometer in two wire technique, Analog output, TTL output, Laser pilot light & USB interface for parameter setting	Digital IR Pyrometer with extended Sensor head. Analog output, Digital interface, Relay output, USB 2.0, Inbuilt LCD & Keypad for parameterization
Temperature Range (Sub Range Adjustable)	0°C - 500°C	200°C - 1400°C	300°C - 1400°C	300° - 1300°C 500° - 1500°C	600°C - 1600°C 700°C - 2100°C	0°C - 800° C
Emissivity	0.1....1.2 adjustable	0.1 - 1.0 adjustable	0.1 - 1.2 adjustable	0.1.....1.0 adjustable	0.1.....1.0 adjustable	0.1....1.2 adjustable
Spectral Range	8.....14 µm	5.14µm	3.9µm	1.6µm	1.0 µm	8.....14µm
Photodetector Type	Thermopile	Thermopile	Thermopile	InGaAs	Si	Thermopile
Distance to Spot Size Ratio	15:1	50:1	50:1	100:1 200:1	100:1 200:1	2 : 1 15 : 1
Response Time	100 msec adjustable upto 10 sec	100 msec. to 10 sec. adjustable	100 msec. to 10 sec. adjustable	50 msec. adjustable upto 10 sec	50 msec adjustable upto 10 sec	20 msec. adjustable upto 10 sec.
Accuracy	±2% of measured value or ±3°C whichever is greater	±0.8% of measured value +1°C	±0.8% of measured value +1°C	±0.8% of measured value +1°C	±0.8% of measured value +1°C	±1.0% of the measured value or 3°C whichever value is greater
Repeatability	±0.5% of measured value or ±1°C whichever is greater	±0.5% of measured value or ±1°C whichever is greater	±0.5% of measured value or ±1°C whichever is greater	0.4% of the measured value	±0.4% of measured value	0.3% of reading in °C +1°C
Analog Output (User selectable)	0 - 5V, 0 - 20mA, 4 - 20mA, J type or K type T/C(Select any one while ordering)	4-20 mA, 0-20mA	4-20 mA, 0-20mA	4-20 mA	4-20 mA	4 - 20mA, 0 - 20mA, 0 - 10V, J & K type T/C (user selectable)
Digital Output	TTL output	TTL Output	TTL Output	TTL output	TTL output	USB 2.0 RS-232 / RS-485 (Optional)
Sighting	N/A	Laser pilot light	Laser pilot light	Laser pilot light	Laser pilot light	N/A
Operating Temperature Range	0 - 70°C	0 - 70°C	0 - 70°C	0°C - 70°C	0 - 70°C	Electronic Box upto 70°C, Sensor head - 120°C (EL50), Sensor head - 180°C (EL50-H)
Power Supply	24V DC, I<50mA	+24 V DC (I ≤ 50mA)	+24 V DC (I ≤ 50mA)	22V - 25V DC stabilized	22V - 25V DC stabilized	24V DC
Power Consumption	Max 1.2 watt	Max 1.2 watt	Max 1.2 watt	For laser targeting max 0.75 watt For device max 0.625 watt	For laser targeting max 0.75 watt For device max 0.625 watt	Max. 2.5 watt
Protection Class	IP65	IP65	IP65	IP65	IP65	IP65
Storage Temperature	-20 to 70°C	-20 to 70°C	-20 to 70°C	-20 to 70°C	-20 to 70°C	-20 to 70°C
Dimensions(mm) & Weight	Dia. = Ø25mm L = 103 mm W = 0.200 kg	Dia. = Ø25mm L = 103 mm W = 0.200 kg	Dia. = Ø25mm L = 103 mm W = 0.200 kg	Dia. = Ø25mm L = 140mm W = 0.250 kg	Dia. = Ø25mm L = 140mm W = 0.250 kg	112.5 x 82.5 x 33 (l x w x h) Weight = 600g

## E - Series



## A - Series



E450 PL	E450C PL	E250 PL	A150	A250	A450	A450C
Digital IR Pyrometer with extended Sensor head, Analog output, Digital interface, Relay output, USB 2.0 Output, Inbuilt LCD, Laser Targeting & Keypad for parameterization	Digital two color pyrometer with extended Sensor head, Analog output, Digital interface, Relay output, USB 2.0, Inbuilt LCD, Laser Targeting & Keypad for parameterization	Digital IR Pyrometer with extended Sensor head, Analog output, Digital interface, Relay output, USB 2.0, Inbuilt LCD, Laser Targeting & Keypad for parameterization	Digital IR Pyrometer with Analog output & Digital interface, USB 2.0 Laser targeting or Through the lens view finder	Digital IR Pyrometer with Analog output & Digital interface, USB 2.0 Laser targeting or Through the lens view finder	Digital IR Pyrometer with Analog output & Digital interface, USB 2.0 Laser targeting or Through the lens view finder	Digital two color pyrometer with Analog output & Digital interface, USB 2.0 Laser targeting or Through the lens view finder
600°C - 1900° C	800°C - 2500°C	250°C - 1000° C 300°C - 1300°C 350°C - 1800° C	150°C - 700° C	250°C - 1000°C 300°C - 1300°C 350°C - 1800°C 500°C - 3000°C	600°C - 1900° C 750°C - 2500° C	600°C - 1600° C 800°C - 2500° C
0.1....1.0 adjustable	0.75....1.25 Slop adjustable	0.1....1.0 adjustable	0.1...1.0 adjustable	0.1...1.0 adjustable	0.1...1.0 adjustable	0.75...1.25 Slope adjustable
1µm	0.7.....1.15µm	1.6µm	2 to 2.6 µm	1.6 µm	1.0 µm	0.7.....1.15 µm
Si	Si/Si	InGaAs	Extended InGaAs	InGaAs	Si	Si/Si
80 : 1	80 : 1	20 : 1 40 : 1 80 : 1	50 : 1	50 : 1 100 : 1 200 : 1 200 : 1	200 : 1	100 : 1 200 : 1
2 msec. adjustable upto 10 sec.	20 msec.adjustable upto10 sec.	2 msec. adjustable upto 10 sec.	2 msec. adjustable upto 10 sec.	2 msec. adjustable upto 10 sec.	2 msec. adjustable upto 10 sec.	20 msec. adjustable upto 10 sec.
±0.3% of the measured value +1°C	±0.5% of the measured value +1°C	±0.3% of the measured value +1°C	Upto 400°C : 3°C T> 400°C : 0.5% of measured value in °C +1°C	±0.3% of the measured value +1°C	±0.3% of the measured value +1°C	±0.5% of the measured value +1°C
0.1% of reading in °C +1°C	0.1% of reading in °C +1°C	0.1% of reading in °C +1°C	0.1% of reading in °C +1°C	0.1% of reading in °C +1°C	0.1% of reading in °C +1°C	0.1% of reading in °C +1°C
4 - 20 mA, 0 - 20 mA, 0 - 10V	4 - 20 mA, 0 - 20 mA, 0 - 10 V	4 - 20 mA, 0 - 20 mA, 0 - 10V	4 - 20 mA, 0 - 20 mA, 0 - 10V	4 - 20 mA, 0 - 20 mA, 0 - 10V	4 - 20 mA, 0 - 20 mA, 0 - 10V	4 - 20 mA, 0 - 20 mA, 0 - 10V
USB 2.0 RS-232 / RS-485 (Optional)	USB 2.0 RS-232 / RS-485 (Optional)	USB 2.0 RS-232 / RS-485 (Optional)	USB 2.0 RS-232 / RS - 485 (User Selectable)	USB 2.0 RS-232 / RS - 485 (User Selectable)	USB 2.0 RS-232 / RS - 485 (User Selectable)	USB 2.0 RS-232 / RS - 485 (User Selectable)
Laser	Laser	Laser	Laser Pilot light or Through the lens sighting	Laser Pilot light or Through the lens sighting	Laser Pilot light or Through the lens sighting	Laser Pilot light or Through the lens sighting
Electronic Box and Sensor head upto 70°C	Electronic Box and Sensor head upto 70°C	Electronic Box and Sensor head upto 70°C	0°C - 70°C 0°C - 200°C (With water cooling jacket)	0°C - 70°C 0°C - 200°C (With water cooling jacket)	0°C - 70°C 0°C - 200°C (With water cooling jacket)	0°C - 70°C 0°C - 200°C (With water cooling jacket)
24V DC	24V DC	24V DC	24V DC	24V DC	24V DC	24V DC
Max. 2.5 watt	Max. 2.5 watt	Max. 2.5 watt	Max. 2.5 watt	Max. 2.5 watt	Max. 2.5 watt	Max. 2.5 watt
IP65	IP65	IP65	IP65	IP65	IP65	IP65
-20 to 70°C	-20 to 70°C	-20 to 70°C	-20 to 70°C	-20 to 70°C	-20 to 70°C	-20 to 70°C
112.5 x 82.5 x 33 (l x w x h) Weight = 600g	112.5 x 82.5 x 33 (l x w x h) Weight = 600g	112.5 x 82.5 x 33 (l x w x h) Weight = 600g	Dia = Ø49.5mm; L = 118mm W = 0.6kg	Dia = Ø49.5mm; L = 118mm W = 0.6kg	Dia = Ø49.5mm; L = 118mm W = 0.6kg	Dia = Ø49.5mm; L = 118mm W = 0.6kg

## AL - Series

## Fiber Optics

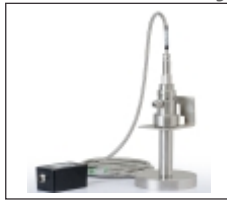


Instruments	AL30	AL45	AL514	AL390	A250 FO-PL	A450 FO-PL
<b>Features</b>	Digital IR Pyrometer with Analog output & Digital interface, USB 2.0 Laser targeting light	Digital IR Pyrometer with Analog output & Digital interface, USB 2.0 Laser targeting light for hot CO <sub>2</sub> temp. measurement	Digital IR Pyrometer with Analog output & Digital interface, USB 2.0 Laser targeting light for glass surface temperature measurement	Digital IR Pyrometer with Analog output & Digital interface, USB 2.0 Laser targeting light for measurement through flame	Digital IR Pyrometer with mono fiber optic cable, Laser Pilot light, Digital interface, Analog output & USB 2.0.	Digital IR Pyrometer with mono fiber optic cable, Laser Pilot light with Digital interface, Analog output & USB 2.0.
<b>Temperature Range</b> (Sub Range Adjustable)	0°C - 1000° C 75°C - 1000°C	400°C.....1500°C	300°C - 1400°C 400°C - 2500°C	300°C - 1400°C	250°C - 1300°C 300°C - 1800° C	600°C - 1900°C 750°C - 2500° C
<b>Emissivity</b>	0.1...1.2 adjustable	0.1....1.2 adjustable	0.1 ... 1.2 adjustable	0.1 ... 1.2 adjustable	0.1.....1.0 adjustable	0.1.....1.0 adjustable
<b>Spectral Range</b>	8.....14µm	4.43 µm	5.14 µm	3.9 µm	1.6µm	1.0 µm
<b>Photodetector Type</b>	Thermopile	Thermopile	Thermopile	Thermopile	InGaAs	Si
<b>Distance to Spot Size Ratio</b>	50 : 1 100 : 1	40 : 1	50 : 1	50 : 1	Min spot 0.5 mm	Min spot 0.5 mm
<b>Response Time</b>	60 msec. adjustable upto 10 sec.	60 msec adjustable upto 10sec	60 msec. adjustable upto 10 sec.	60 msec. adjustable upto 10 sec.	2 msec. adjustable upto 10 sec	2 msec adjustable upto 10 sec
<b>Accuracy</b>	T < 200°C ; ±1.5% of measured value or 3°C T > 200°C ; ±1.0% of measured value or 4°C	T < 500°C , ± 1.5% of measured value T ≥ 500°C, ± 1% of measured value	T < 500°C ; ±1.5% of measured value T > 500°C ; ±1.0% of measured value	T < 500°C ; ±1.5% of measured value T > 500°C ; ±1.0% of measured value	±0.3% of the measured value +1°C	±0.3% of the measured value +1°C
<b>Repeatability</b>	0.3% of reading in °C +1°C	0.3% of reading in °C +1°C	0.3% of reading in °C +1°C	0.3% of reading in °C +1°C	0.1% of reading in °C +1°C	0.1% of reading in °C +1°C
<b>Analog Output</b> (User selectable)	4 - 20 mA, 0 - 20 mA, 0 - 10V	0-20mA,4-20mA,0-10V (User selectable)	4 - 20 mA, 0 - 20 mA, 0 - 10V	4 - 20 mA, 0 - 20 mA, 0 - 10V	4-20 mA, 0-20 mA, 0-10V	4-20 mA, 0-20 mA, 0-10V
<b>Digital Output</b>	USB 2.0 RS-232 / RS - 485 (User Selectable)	USB 2.0 RS-232/RS-485 (User selectable)	USB 2.0 RS-232 / RS - 485 (User Selectable)	USB 2.0 RS-232 / RS - 485 (User Selectable)	USB 2.0 RS-232 / RS - 485 (User Selectable)	USB 2.0 RS-232 / RS - 485 (User Selectable)
<b>Sighting</b>	Laser pilot light	Laser Pilot Light	Laser pilot Light	Laser pilot Light	Laser pilot light	Laser pilot light
<b>Operating Temperature Range</b>	0°C - 70°C 0°C - 200°C (With water cooling jacket)	0°C.....70°C 0°C.....200°C (With water cooling jacket)	0°C - 70°C 0°C - 200°C (With water cooling jacket)	0°C - 70°C 0°C - 200°C (With water cooling jacket)	Pyrometer 0°C - 70°C Optical Head & Fiber Optic Cable upto 250°C	Pyrometer 0°C - 70°C Optical Head & Fiber Optic Cable upto 250°C
<b>Power Supply</b>	24V DC	24V DC	24V DC	24V DC	24V DC	24V DC
<b>Power Consumption</b>	Max. 2.5 watt	Max. 2.5 watt	Max. 2.5 watt	Max. 2.5 watt	Max. 2.5 watt	Max. 2.5 watt
<b>Protection Class</b>	IP65	IP65	IP65	IP65	Ip65	IP65
<b>Storage Temperature</b>	-20 to 70°C	-20 to 70°C	-20 to 70°C	-20 to 70°C	-20 to 70°C	-20 to 70°C
<b>Dimensions(mm) &amp; Weight</b>	Dia = Ø49.5mm; L = 118mm W = 0.6kg	Dia= Ø49.5 mm; L=118mm W=0.6kg	Dia.= Ø49.5mm L = 118mm W = 0.6 kg	Dia.= Ø49.5mm L = 118mm W = 0.6 kg	Dia. = Ø49.5mm L = 118mm W = 0.6kg	Dia. = Ø49.5mm L = 118mm W = 0.6kg

## Fiber Optics



## Glass Industry



## A+ - Series



A250C FO-PL	A450C FO-PL	450 G-2	A250+	A450+	A450C+
Digital two color Pyrometer with mono fiber optic cable, Laser Pilot light with Digital interface, Analog output & USB 2.0.	Digital two color Pyrometer with mono fiber optic cable, Laser Pilot light with Digital interface, Analog output & USB 2.0.	Special 2 wire pyrometer for glass industry with Digital output & heavy duty fibre optic cable useful in high ambient temperature conditions	Focusable Digital IR Pyrometer with Analog output, Digital interface, Laser targeting, Through the lens view finder, Video module, Parameterizing Keys & LCD Display	Focusable Digital IR Pyrometer with analog output and digital interface, Laser targeting, View finder, Video module, Parameterizing keys & LCD display	Two Color Focusable Digital IR Pyrometer with analog output and digital interface, Laser targeting, View finder, Video module, Parameterizing keys & LCD display
350°C - 1000° C 450°C - 1350° C	800°C - 2500° C 1000°C - 3200° C	600°C - 1800° C	300°C - 1300°C 350°C - 1800°C 450°C - 2500°C	600°C - 1900°C 700°C - 2500°C	800°C - 2500°C 1000°C - 3000°C
1.6.....1.7 Slope adjustable	0.75.....1.25 Slope adjustable	0.05.....1.0 adjustable via DIP switch	0.1.....1.0 adjustable	0.1.....1.0 adjustable	0.1.....1.0 adjustable upto 10 sec.
1.6.....1.7µm	0.7.....1.15µm	1.0 µm	1.6 µm	1.0 µm	0.7....1.15µm
InGaAs/InGaAs	Si/Si	Si	InGaAs	Si	Si/Si
100:1 200:1	Min spot 0.5 mm	100 : 1 Min. spot size 16mm	100:1 200:1 400:1	200:1 400:1	200:1
100 msec. adjustable upto 10 sec	20 msec. adjustable upto 10 sec	250 msec adjustable upto 10 sec	2 msec adjustable upto 10 sec	2 msec adjustable upto 10 sec	20 msec. adjustable upto 10 sec.
±0.5% of measured value +1°C	±0.5% of measured value +1°C	±0.3% of the measured value or ±3°C whichever is greater	±0.3% of the measured value +1°C	±0.3% of the measured value +1°C	±0.5% of the measured value +1°C
0.1% of reading in °C +1°C	0.1% of reading in °C +1°C	±0.2% of reading in °C +1°C	±0.1% of reading in °C +1°C	±0.1% of reading in °C +1°C	0.1% of reading in °C +1°C
0-20mA, 4-20 mA, 0-10V(User Selectable)	4-20 mA, 0-20 mA, 0-10V	4.....20mA	4 - 20 mA, 0 - 20 mA, 0 - 10V	4 - 20 mA, 0 - 20 mA, 0 - 10V	0 - 20 mA, 4 - 20mA, 0 - 10V (user selectable)
USB 2.0 RS-232 / RS - 485 (User Selectable)	USB 2.0 RS-232 / RS - 485 (User Selectable)	USB 2.0	RS-232/RS-485 (User Selectable)	RS-232/RS-485 (User Selectable)	RS-232/RS-485 (user selectable)
Laser pilot light	Laser pilot light	N/A	Laser Pilot light, Through the lens sighting, Video module (optional)	Laser Pilot light, Through the lens sighting or Video module (optional)	Laser Pilot light, Through the lens sighting or Video module (optional)
Pyrometer 0°C - 70°C Optical Head & Fiber Optic Cable upto 250°C	Pyrometer 0°C - 70°C Optical Head & Fiber Optic Cable upto 250°C	Pyrometer 0°C - 70°C Optical head & Fiber optic max 250°C	0 to 70°C	0 to 70°C	0°C....70°C
24V DC	24V DC	24V DC	24V DC	24V DC	24 V DC
Max. 2.5 watt	Max. 2.5 watt	Max 0.5 watt	Max 5.0 watt	Max 5.0 watt	Max 5.0 watt
IP65	IP65	IP65	IP65	IP65	IP65
-20 to 70°C	-20 to 70°C	-20 to 70°C	-20 to 70°C	-20 to 70°C	-20°C...70°C
Dia. = Ø49.5mm L = 118mm W = 0.6kg	Dia. = Ø49.5mm L = 118mm W = 0.6kg	112.5 x 82.5 x 33.0 (L x W x D)	137 x 60 82 (L x W x H) Weight = 0.64kg	139 x 112 x 90 (L x W x H) Weight = 1.5kg	600g Dia = Ø49.5mm; Length = 118 mm

## Portable Glass Mold Pyrometer

The PGM (Portable Glass Mold Thermometer) is a hand held, battery powered Non-Contact thermometer designed primarily for the measurement of mold temperatures in container glass industry.

PGM is equipped with fiber optic, an optical head and display which shows the current temperature.

Readings taken are stored into memory and logged with Serial number and date/time for review later. Stored temperature readings are held in memory until deleted, they are not lost when the unit is turned off or the battery is removed. it provides a powerful data logging capability with storage for up to 1000 measurements.

### Technical Specifications

Model	PGM
Temperature Range	250°C...600°C
Spectral Range	1.6 μm
Response Time	2 msec. Adjustable upto 10 sec.
Repeatability	0.1% of reading in °C +1°C
Accuracy	+/- 0.3% of the measured value +1°C
Ambient Temp. Limits	Max. 250°C at fiber optics cable and optical head
Emissivity	0.1....1.0 adjustable
Digital Output	USB 2.0
Logging	1000 reading downloaded to PC via USB 2.0
Power Requirement	3 AAA rechargeable Cell
Adjustable parameter Keypad	Emissivity, peak picker, date/time, Response Time via USB



### Features

- ✓ Fast, easy measurement
- ✓ Accurate
- ✓ Portable and convenient
- ✓ Interchangeable on site, with probes of different lengths and bends.
- ✓ Powerful data logging
- ✓ In-built charging

## Multi Drop T Series

**Multidrop T Series** has been designed to offer our customers a cost – effective non – contact based temperature monitoring solution, ideal for installation at multiple points in their processes. This product combines high accuracy and ruggedness of T Series sensor heads with an innovative multi-channel Interface Controller module.

Each Multidrop is a two-piece pyrometer unit offering a variety of sensor heads with temperature ranges between 0°C and 2100°C. The sensor heads cover multiple spectral ranges and optics thus providing an array of solutions for your application requirements.

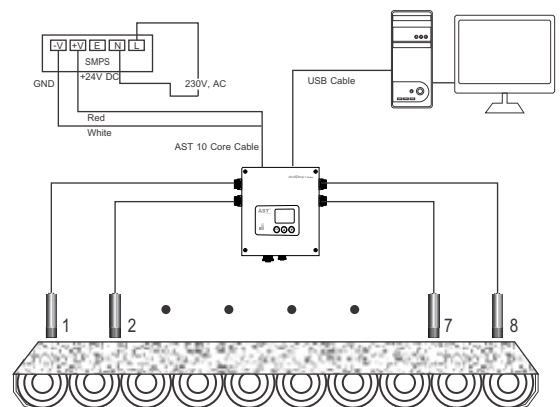
The Interface Controller module acts as a digital display as well as provides analogue and digital signal output. It also provides power and communications to the connected sensor heads and allows for parameterization of sensor heads through built-in user interface keypad or through service software.

The high accuracy, ruggedness and low cost per measurement point make these pyrometers ideal for installation at multiple points in your process.



### Features

- ✓ Multiple Sensor Head design (up to 8 sensor heads per Interface module; each individually addressable)
- ✓ For temperature measurements between 0 °C and 2100 °C
- ✓ Multiple spectral ranges and high resolution fixed optics (up to 200:1)
- ✓ Galvanically isolated single analogue output – 0/4 to 20 mA, 0 to 10 V, J type & K type TC\* (user switchable) and Single relay output
- ✓ USB 2.0, RS-232/RS-485 Interfacing for remote configuration
- ✓ Integrated high resolution LCD display with user interface keypad in Interface module







## Special Aluminum / Non-Ferrous Pyrometers



Instrument	AB3000	AE3000	AC3000	AM3000	P3000	FR3000
Application	Aluminium billet	Extrusion, Press exit	Extrusion, cooling table, Hot rolling	Molten Aluminum	Multi purpose, Aluminum forging, Aluminum / Copper Continuous casting	Aluminum forging, continuous casting, rolling
Features	Digital and Analog, automatic compensation of emissivity changes, calculates & displays both temperature and target emissivity, Measures, through smoke, dust, water vapor etc.					
Temperature Range	300°C to 600°C	350°C to 650°C	200°C to 600°C	450°C to 900°C	300°C to 1000°C	100°C to 600°C
Emissivity	Special algorithm					
Spectral Range	Multiple spectral range					
Response Time	0.1 to 10sec. adjustable					
Accuracy & Repeatability	±1% of measured value (verified in real world application)					
Analog Output	4.....20mA or 0-20mA / 0-10V (optional)					
Serial Output	COM1: RS-232; COM2 : RS-422 / RS-485					
2 Alarm Signals	Open drain					
8 Digital Inputs	for PS 3000 Scanner Remote Control					
Sighting	Continuous laser					
Operating Temperature Range	0°C.....50°C or 0°C.....70°C with air cooling jacket					
Power	24 V DC					
Protection class	IP65					

## Black Body

				
Device Type	Calsys500	Calsys1200	Calsys1500	Calsys1700
Temperature Range	50°C to 500°C	300°C to 1200°C	500°C to 1500°C	500°C to 1700°C
Stability	± 1.0°C at 500°C	± 0.5°C at 1200°C	± 1.0°C at 1500°C	± 2.0°C at 1700°C
Time to Reach Max Temp.	45 Mins	1.5 Hrs.	1.5 Hrs.	3 Hrs.
Controlling Sensor	T/C "N" Type	Precision PT/RH-PTT/C	PT-RH/PTT/C	Precision PT/RH-PTT/C
Emissivity	0.95 ± 0.01	0.99 ± 0.01	0.99 ± 0.01	0.97 ± 0.01
Temperature Controller	Digital self tuned PID controller with automatic super fine adjustment			
Computer Interface	RS - 232			
Temperature Resolution	0.1°C	1.0°C	1.0°C	0.1°C
Cavity	-	Silicon Carbide	Silicon Carbide	End Closed Tube
Aperture Dia	100 mm	40 mm	40 mm	29 mm
Power Supply	230V AC 50/60 Hz			
Power Consumption	1.0 KW	2.5 KW	3.0 KW	3.0 KW
Dimension (H x W x D) mm	320 x 355 x 255 mm	500 x 400 x 490 mm	570 x 450 x 520 mm	640 x 500 x 550 mm
Weight	10 Kg	50 Kg	55 Kg	80 Kg

## Accessories



Temperature Indicator with Parameterizer



Temperature Indicator



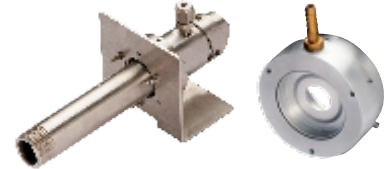
Power Supply Unit



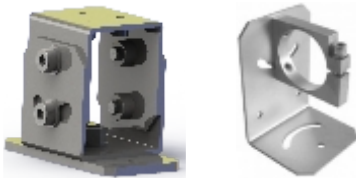
Digital Converter



Fiber Optic Cable



Air Purge Unit



Adjustable Mounting Stand



Connection Cables



Water Cooling Jacket

## About Us

Accurate Sensors Technologies (earlier "3T" True Temperature Technologies) established in 1994 focusing on the development and commercialization of non-contact temperature measurement technologies.

Based on these technologies, AST/3T has brought to the market a line of pyrometers for the remote measurement of target temperatures using no physical contact. AST/3T pyrometers use a totally new approach for remote temperature measurement achieving high accuracy.

The following products are available from AST/3T

- ❖ Single color pyrometer
- ❖ Ratio (2 color) pyrometer
- ❖ Fiber optics pyrometer
- ❖ Multi wavelength pyrometer specially for Aluminum & other Non ferrous application
- ❖ Black Body calibration sources
- ❖ Special system for automatic Isothermal Extrusion (MoMAS)
- ❖ Parameter setting Devices



## Accurate Sensors Technologies

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