

We Measure Accurate Temperature in Extreme Conditions

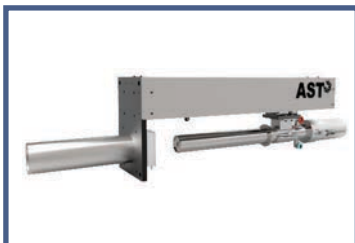
PRODUCT OVERVIEW

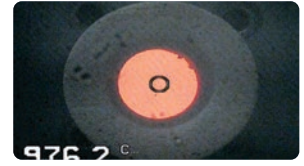
Infrared Pyrometers

Thermal Imagers

Furnace Monitoring System

Black Bodies





Video Module

A+ Series

Model	A250+	A250C+	A450+	A450C+
Features	Focusable Digital IR Pyrometer with Analog output, Digital interface, Laser targeting/Through the lens view finder/Video module, Parameterizing Keys & OLED Display	Focusable Digital IR two color Pyrometer with Analog output, Digital interface, Laser targeting/Through the lens view finder/Video module, Parameterizing Keys & OLED Display	Focusable Digital IR Pyrometer with Analog output, Digital interface, Laser targeting/Through the lens view finder/Video module, Parameterizing Keys & OLED Display	Focusable Digital IR two color Pyrometer with Analog output, Digital interface, Laser targeting/Through the lens view finder/Video module, Parameterizing Keys & OLED Display
Temperature Range (Sub Range Adjustable)	210°C - 1350°C (410°F - 2462°F) 250°C - 1800°C (482°F - 3272°F) 300°C - 2500°C (572°F - 4532°F) 350°C - 3000°C (662°F - 5432°F)	475°C - 1475°C (887°F - 2687°F)	600°C - 2500°C (1112°F - 4532°F)	600°C - 1600°C (1112°F - 2912°F) 800°C - 2500°C (1472°F - 4532°F)
Emissivity	0.1....1.0 adjustable	0.75....1.25 slope adjustable	0.1....1.0 adjustable	0.75....1.25 slope adjustable
Spectral Range	1.6 μm	1.5μm/1.6 μm	1.0 μm	0.7....1.15 μm
Photodetector Type	InGaAs	InGaAs/InGaAs	Si	Si/Si
Distance to Spot Size Ratio	75:1 150:1 300:1	150:1	300:1	150:1 300:1
Response Time	2 msec adjustable upto 10 sec	100 msec adjustable upto 10 sec	2 msec adjustable upto 10 sec	20 msec. adjustable upto 10 sec.
Accuracy	±0.3% of the measured value +1°C	± 0.5% of the measured value + 1°C	±0.3% of the measured value +1°C	±0.5% of the measured value +1°C
Repeatability	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
Analog Output	0-20mA, 4-20mA (User selectable)	0-20mA, 4-20mA (User selectable)	0-20mA, 4-20mA (User selectable)	0-20mA, 4-20mA (User selectable)
Digital Output	RS-485	RS-485	RS-485	RS-485
Sighting	Laser Pilot Light(PL), Through The Lens (TL), Video Module	Laser Pilot Light(PL), Through The Lens (TL) & Video Module	Laser Pilot Light(PL), Through The Lens (TL), Video Module	Laser Pilot Light(PL), Through The Lens (TL), Video Module
Operating Temperature Range	0 - 70°C (32 - 158°F) 0°C.....200°C (With water cooling jacket)	0°C.....70°C (32 - 158°F); 0°C.....200°C (With water cooling jacket)	0 - 70°C (32 - 158°F) 0°C.....200°C (With water cooling jacket)	0 - 70°C (32 - 158°F) 0°C.....200°C (With water cooling jacket)
Power Supply	12V to 28V DC with reverse voltage protection	12V to 28V DC with reverse voltage protection	12V to 28V DC with reverse voltage protection	12V to 28V DC with reverse voltage protection
Power Consumption	Max 4.0 watt	Max 2.5 watt	Max 4.0 watt	Max 4.0 watt
Protection Class	IP65	IP65	IP65	IP65
Storage Temperature	-20 to 70°C (-4 to 158°F)	-20 to 70°C (-4 to 158°F)	-20 to 70°C (-4 to 158°F)	-20 to 70°C (-4 to 158°F)
Dimensions & Weight	Dia= Ø 56mm (2.20in), L=199.5mm (7.85in), 1.2kg (2.64lbs)	Dia= Ø 56mm (2.20in), L=188.5mm (7.42in), 1.2kg (2.64lbs)	Dia= Ø 56mm (2.20in), L=199.5mm (7.85in), 1.2kg (2.64lbs)	Dia= Ø 56mm (2.20in), L=199.5mm (7.85in), 1.2kg (2.64lbs)



A+ Series with Fiber Optics

Model	A250+ FO PL	A250C+ FO PL	A450+ FO PL	A450C+ FO PL
Features	Digital IR pyrometer with mono fiber optic cable, Laser Pilot light, Digital Interface, Analog output, Parameterizing Keys & OLED Display	A250C+ FO PL is a highly accurate digital two color pyrometer to provide high performance and low maintenance of non contact temperature measurement in demanding industrial and R&D environments.	Digital IR pyrometer with mono fiber optic cable, Laser Pilot light, Digital Interface, Analog output, Parameterizing Keys & OLED Display	Digital IR two color pyrometer with mono fiber optic cable, Laser Pilot light, Digital Interface, Analog output, Parameterizing Keys & OLED Display
Temperature Range (Sub Range Adjustable)	250°C - 1800°C (482°F - 3272°F) 300°C - 2500°C (572°F - 4532°F)	350°C - 1000°C (630°F - 1800°F) 450°C - 1350°C (810°F - 2430°F)	600°C - 2500°C (1112°F - 4532°F)	800°C - 2500°C (1472°F - 4532°F) 1000°C - 3200°C (1832°F - 5792°F) 600°C - 1600°C (1112°F - 2912°F)
Emissivity	0.1....1.0 adjustable	0.1....1.0 adjustable	0.1....1.0 adjustable	0.75....1.25 slope adjustable
Spectral Range	1.6µm	1.5/1.6 µm	1.0 µm	0.7.....1.15µm
Photodetector Type	InGaAs	InGaAs/InGaAS	Si	Si/Si
Distance to Spot Size Ratio	100:1(OH I) 200:1(OH II) 200:1(OH II - V) 400:1(OH III - V)	100:1 OH(I) 100:1 OH(II) 100:1 OH(II) - Variable 200:1 OH(I) 200:1 OH(II) - 200:1 OH(II) - Variable	100:1(OH I) 200:1(OH II) 200:1(OH II - V) 400:1(OH III - V)	100:1 200:1 400:1
Response Time	2 msec. adjustable upto 10 sec	100 msec adjustable upto 10 sec	2 msec. adjustable upto 10 sec	20 msec. adjustable upto 10 sec
Accuracy	±0.3% of the measured value +1°C	± 0.5% of the measured value + 1°C	±0.3% of the measured value +1°C	±0.5% of the measured value +1°C
Repeatability	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
Analog Output	0-20mA, 4-20mA (User selectable)	0-20mA, 4-20mA (User selectable)	0-20mA, 4-20mA (User selectable)	0-20mA, 4-20mA (User selectable)
Digital Output	RS-485	RS-485	RS-485	RS-485
Sighting	Laser pilot light	Laser pilot light	Laser pilot light	Laser pilot light
Operating Temperature Range	Pyrometer 0 - 70°C (32 - 158°F), Optical Head & Fiber Optic Cable upto 250°C (482°F)	Pyrometer 0 - 70°C (32 - 158°F), Optical Head & Fiber Optic Cable upto 250°C (482°F)	Pyrometer 0 - 70°C (32 - 158°F), Optical Head & Fiber Optic Cable upto 250°C (482°F)	Pyrometer 0 - 70°C (32 - 158°F), Optical Head & Fiber Optic Cable upto 250°C (482°F)
Power Supply	12V to 28V DC with reverse polarity protection	12V to 28V DC with reverse polarity protection	12V to 28V DC with reverse polarity protection	12V to 28V DC with reverse polarity protection
Power Consumption	Max. 4 watt	Max. 4 watt	Max. 4 watt	Max. 4 watt
Protection Class	IP65	IP65	IP65	IP65
Storage Temperature	-20 to 70°C (-4 to 158°F)	-20 to 70°C (-4 to 158°F)	-20 to 70°C (-4 to 158°F)	-20 to 70°C (-4 to 158°F)
Dimensions & Weight	Dia= Ø 56mm (2.20in), L=199.5mm (7.85in), 1.2kg (2.64lbs)	Dia= Ø 56mm (2.20in), L=199.5mm (7.85in), 1.2kg (2.64lbs)	Dia= Ø 56mm (2.20in), L=199.5mm (7.85in), 1.2kg (2.64lbs)	Dia= Ø 56mm (2.20in), L=199.5mm (7.85in), 1.2kg (2.64lbs)



A Series

Model	A150	A250	A250C	A450	A450C
Features	Digital IR Pyrometer with Analog output & Digital interface, Bluetooth/USB 2.0, Laser targeting for temperature measurement of metallic surfaces, graphite & ceramics	Digital IR Pyrometer with Analog output, Digital interface, Bluetooth/USB 2.0, Laser targeting or Through the lens view finder	Digital two color pyrometer with Analog output, Digital interface, Bluetooth/USB 2.0, Laser targeting or Through the lens view finder	Digital IR Pyrometer with Analog output, Digital interface, Bluetooth/USB 2.0, Laser targeting or Through the lens view finder	Digital two color pyrometer with Analog output, Digital interface, Bluetooth/USB 2.0, Laser targeting or Through the lens view finder
Temperature Range (Sub Range Adjustable)	75°C - 700°C (167°F - 1292°F)	210°C - 1350°C (410°F - 2462°F) 250°C - 1800°C (482°F - 3272°F) 300°C - 2500°C (572°F - 4532°F) 350°C - 3000°C (662°F - 5432°F)	350°C - 1000°C (662°F - 1832°F) 450°C - 1350°C (842°F - 2462°F)	600°C - 2500°C (1112°F - 4532°F)	600°C - 1600°C (1112°F - 2912°F) 800°C - 2500°C (1472°F - 4532°F)
Emissivity	0.1....1.0 adjustable	0.1....1.0 adjustable	0.75....1.25 slope adjustable	0.1....1.0 adjustable	0.75....1.25 slope adjustable
Spectral Range	2 to 2.6 μm	1.6 μm	1.5μm/1.6μm	1.0 μm	0.7.....1.15 μm
Photodetector Type	Extended InGaAs	InGaAs	InGaAs/InGaAs	Si	Si/Si
Distance to Spot Size Ratio	40 : 1	50 : 1 100 : 1 200 : 1 200 : 1	100:1 200:1	200 : 1	100 : 1 200 : 1
Response Time	2 msec. adjustable upto 10 sec.	2 msec. adjustable upto 10 sec.	100 msec adjustable upto 10 sec	2 msec. adjustable upto 10 sec	10 msec.
Accuracy	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	±0.5% of the measured value + 1°C	±0.3% of the measured value +1°C	±0.5% of the measured value +1°C
Repeatability	0.1% of reading in °C +1°C				
Analog Output	0-20mA, 4-20mA, 0-10V (User selectable)				
Digital Output	Bluetooth/USB 2.0, RS-232 / RS - 485 (User Selectable)				
Sighting	Laser Pilot light	Laser Pilot light or Through the lens sighting			
Operating Temperature Range	0 - 70°C (32 - 158°F), 0°C - 200°C (32 - 392°F) (With water cooling jacket)				
Power Supply	12V to 28V DC with reverse polarity protection				
Power Consumption	Max. 2.5 watt	Max. 2.5 watt	Max 2.5 watt	Max. 2.5 watt	Max. 2.5 watt
Protection Class	IP65	IP65	IP65	IP65	IP65
Storage Temperature	-20 to 70°C (-4 to 158°F)				
Dimensions & Weight	Dia=Ø49.5mm(1.94in), L = 118mm(4.64in), 0.6kg(1.32lbs)				



A Series with Fiber Optics

Model	A250 FO PL	A250C FO PL	A450 FO PL	A450C FO PL
Features	Digital IR Pyrometer with mono fiber optic cable, Laser Pilot light, Digital interface, Analog output & Bluetooth/USB 2.0	Digital two color Pyrometer with mono fiber optic cable, Laser Pilot light with Digital interface, Analog output & Bluetooth/USB 2.0	Digital IR Pyrometer with mono fiber optic cable, Laser Pilot light, Digital interface, Analog output & Bluetooth/USB 2.0	Digital two color Pyrometer with mono fiber optic cable, Laser Pilot light with Digital interface, Analog output & Bluetooth/USB 2.0
Temperature Range (Sub Range Adjustable)	250°C - 1800°C (482°F - 3272°F) 300°C - 2500°C (572°F - 4532°F)	350°C - 1000°C (662°F - 1832°F) 450°C - 1350°C (842°F - 2462°F)	600°C - 2500°C (1112°F - 4532°F)	800°C - 2500°C (1472°F - 4532°F) 1000°C - 3200°C (1832°F - 5792°F) 600°C - 1600°C (1112°F - 2912°F)
Emissivity	0.1.....1.0 adjustable	0.75....1.25 slope adjustable	0.1.....1.0 adjustable	0.75....1.25 slope adjustable
Spectral Range	1.6µm	1.5µm/1.6µm	1.0 µm	0.7.....1.15µm
Photodetector Type	InGaAs	InGaAs/InGaAs	Si	Si/Si
Distance to Spot Size Ratio	100:1(OH I) 200:1(OH II) 200:1(OH II - V)	100:1 200:1	100:1(OH I) 200:1(OH II) 200:1(OH II - V)	100:1 200:1
Response Time	2 msec. adjustable upto 10 sec	100 msec. adjustable upto 10 sec	2 msec adjustable upto 10 sec	20 msec. adjustable upto 10 sec
Accuracy	±0.3% of the measured value +1°C	±0.5% of measured value +1°C	±0.3% of the measured value +1°C	±0.5% of measured value +1°C
Repeatability	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
Analog Output	0-20mA, 4-20mA, 0-10V (User selectable)	0-20mA, 4-20mA, 0-10V (User selectable)	0-20mA, 4-20mA, 0-10V (User selectable)	0-20mA, 4-20mA, 0-10V (User selectable)
Digital Output	Bluetooth/USB 2.0, RS-232 / RS - 485 (User Selectable)	Bluetooth/USB 2.0, RS-232 / RS - 485 (User Selectable)	Bluetooth/USB 2.0, RS-232 / RS - 485 (User Selectable)	Bluetooth/USB 2.0, RS-232 / RS - 485 (User Selectable)
Sighting	Laser pilot light	Laser pilot light	Laser pilot light	Laser pilot light
Operating Temperature Range	Pyrometer 0 - 70°C (32 - 158°F), Optical Head & Fiber Optic Cable upto 250°C (482°F)	Pyrometer 0 - 70°C (32 - 158°F), Optical Head & Fiber Optic Cable upto 250°C (482°F)	Pyrometer 0 - 70°C (32 - 158°F), Optical Head & Fiber Optic Cable upto 250°C (482°F)	Pyrometer 0 - 70°C (32 - 158°F), Optical Head & Fiber Optic Cable upto 250°C (482°F)
Power Supply	12V to 28V DC with reverse polarity protection	12V to 28V DC with reverse polarity protection	12V to 28V DC with reverse polarity protection	12V to 28V DC with reverse polarity protection
Power Consumption	Max. 2.5 watt	Max. 2.5 watt	Max. 2.5 watt	Max. 2.5 watt
Protection Class	IP65	IP65	IP65	IP65
Storage Temperature	-20 to 70°C (-4 to 158°F)	-20 to 70°C (-4 to 158°F)	-20 to 70°C (-4 to 158°F)	-20 to 70°C (-4 to 158°F)
Dimensions & Weight	Dia=Ø49.5mm(1.94in) L = 118mm(4.64in) 0.6kg(1.32lbs)	Dia=Ø49.5mm(1.94in) L = 118mm(4.64in) 0.6kg(1.32lbs)	Dia=Ø49.5mm(1.94in) L = 118mm(4.64in) 0.6kg(1.32lbs)	Dia=Ø49.5mm(1.94in) L = 118mm(4.64in) 0.6kg(1.32lbs)



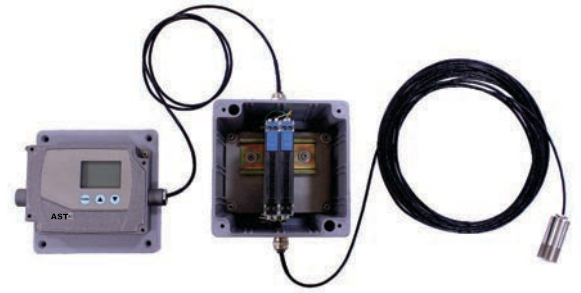
A Series with Thermopile

Model	AL30	AL390	AL514	AL45
Features	Digital IR Pyrometer with Analog output, Digital interface, USB 2.0, Laser targeting light for temp. measurement of non-metallic surfaces, painted, coated or anodized metals	Digital IR Pyrometer with Analog output, Digital interface, USB 2.0, Laser targeting light for measurement through flame	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 of flames & combustion gases that include CO2
Temperature Range (Sub Range Adjustable)	0°C - 1000°C (32°F - 1832°F) 75°C - 1000°C (167°F - 1832°F)	300°C - 1400°C (572°F - 2552°F)	300°C - 1400°C (572°F - 2552°F) 400°C - 2500°C (752°F - 4532°F)	400°C - 1500°C (752°F - 2732°F)
Emissivity	0.1...1.2 adjustable	0.1 ... 1.2 adjustable	0.1 ... 1.2 adjustable	0.1....1.2 adjustable
Spectral Range	8.....14µm	3.9 µm	5.14 µm	4.43 µm
Photodetector Type	Thermopile	Thermopile	Thermopile	Thermopile
Distance to Spot Size Ratio	50 : 1 100 : 1	50 : 1	50 : 1	40 : 1
Response Time	60 msec. adjustable upto 10 sec			
Accuracy	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; ±1.0% 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% of measured value
Repeatability	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
Analog Output	0-20mA, 4-20mA, 0-10V (User selectable)	0-20mA, 4-20mA, 0-10V (User selectable)	0-20mA, 4-20mA, 0-10V (User selectable)	0-20mA, 4-20mA, 0-10V (User selectable)
Digital Output	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)
Sighting	Laser pilot light	Laser pilot Light	Laser pilot Light	Laser Pilot Light
Operating Temperature Range	0 - 70°C (32 - 158°F), 0°C - 200°C (32 - 392°F)(With water cooling jacket)	0 - 70°C (32 - 158°F), 0°C - 200°C (32 - 392°F)(With water cooling jacket)	0 - 70°C (32 - 158°F), 0°C - 200°C (32 - 392°F)(With water cooling jacket)	0 - 70°C (32 - 158°F), 0°C - 200°C (32 - 392°F)(With water cooling jacket)
Power Supply	24V DC	24V DC	24V DC	24V DC
Power Consumption	Max. 2.5 watt	Max. 2.5 watt	Max. 2.5 watt	Max. 2.5 watt
Protection Class	IP65	IP65	IP65	IP65
Storage Temperature	-20 to 70°C (-4 to 158°F)	-20 to 70°C (-4 to 158°F)	-20 to 70°C (-4 to 158°F)	-20 to 70°C (-4 to 158°F)
Dimensions & Weight	Dia=Ø49.5mm(1.94in), L = 118mm(4.64in), 0.6kg(1.32lbs)			



E Series

Model	E150	E250	E450	E450C
Features	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 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 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
Temperature Range (Sub Range Adjustable)	100°C....600°C (212°F....1112°F)	250°C - 1000° C (482°F - 1832°F) 300°C - 1300°C (572°F - 2372°F) 350°C - 1800° C (662°F - 3272°F)	600°C - 1900° C (1112°F - 3452°F)	800°C - 2500°C (1472°F - 4532°F)
Emissivity	0.1....1.0 adjustable	0.1....1.0 adjustable	0.1....1.0 adjustable	0.75....1.25 slope adjustable
Spectral Range	2.3.....2.6 μm	1.6μm	1μm	0.7.....1.15μm
Photodetector Type	Extended InGaAs	InGaAs	Si	Si/Si
Distance to Spot Size Ratio	20 : 1, 40 : 1	20 : 1 40 : 1 80 : 1	80 : 1	80 : 1
Response Time	2 msec adjustable upto 10 sec	2 msec. adjustable upto 10 sec.	2 msec. adjustable upto 10 sec.	20 msec.adjustable upto10 sec.
Accuracy	±0.5% of the measured value ±2°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
Repeatability	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
Analog Output	0-20mA, 4-20mA, 0-10V(User Selectable)	0-20mA, 4-20mA, 0-10V (User selectable)	0-20mA, 4-20mA, 0-10V (User selectable)	0-20mA, 4-20mA, 0-10V (User selectable)
Digital Output	USB 2.0 output RS - 232 / RS - 485 interface card (Optional) *at a time only one digital output possible	USB 2.0, RS-232 / RS-485 (Optional)	USB 2.0, RS-232 / RS-485 (Optional)	USB 2.0, RS-232 / RS-485 (Optional)
Sighting	Laser Pilot Light(PL)	Laser pilot light	Laser pilot light	Laser pilot light
Operating Temperature Range	Electronic Box and Sensor Head upto 70°C	Electronic Box and Sensor head upto 70°C (158°F)	Electronic Box and Sensor head upto 70°C (158°F)	Electronic Box and Sensor head upto 70°C (158°F)
Power Supply	12V to 28V DC with reverse polarity protection	24V DC	24V DC	24V DC
Power Consumption	Max 2.5 watt	Max. 2.5 watt	Max. 2.5 watt	Max. 2.5 watt
Protection Class	IP65	IP65	IP65	IP65
Storage Temperature	-20°C....70°C	-20 to 70°C (-4 to 158°F)	-20 to 70°C (-4 to 158°F)	-20 to 70°C (-4 to 158°F)
Dimensions & Weight	112.5mmx82.5mmx33mm (4.42 x 3.24 x 1.29 in), 0.6kg(1.32lbs)	112.5 x 82.5 x 33 mm, (4.42 x 3.24 x 1.29 in), 0.6 kg (1.32lbs)	112.5 x 82.5 x 33 mm, (4.42 x 3.24 x 1.29 in), 0.6 kg (1.32lbs)	112.5 x 82.5 x 33 mm, (4.42 x 3.24 x 1.29 in), 0.6 kg (1.32lbs)



E Series

Model	EL50 & EL50H	EL50H+	EL50H EX	EL50H+ EX
Features	Digital IR Pyrometer with extended Sensor head, Analog output, Digital interface, Relay output, USB 2.0, Inbuilt LCD & Keypad for parameterization	Digital Pyrometer in economic range with extended sensor head in 4 wire technology, for non-contact temperature measurement between 0°C to 800°C.	Digital Pyrometer in economic range with extended sensor head in 4 wire technology, for non-contact temperature measurement between 0°C to 800°C.	Digital Pyrometer in economic range with extended sensor head in 4 wire technology, for non-contact temperature measurement between 0°C to 800°C.
Temperature Range (Sub Range Adjustable)	-20°C - 800° C (-4°F - 1472°F)	0°C....800°C (32°F - 1472°F)	0°C....800°C (32°F - 1472°F)	0°C....800°C (32°F - 1472°F)
Emissivity	0.1....1.2 adjustable	0.1....1.2 adjustable	0.1....1.2 adjustable	0.1....1.2 adjustable
Spectral Range	8.....14µm	8...14 µm	8...14 µm	8...14 µm
Photodetector Type	Thermopile	Thermopile	Thermopile	Thermopile
Distance to Spot Size Ratio	2 : 1 15 : 1	15:1	2:1, 15:1 (To be specified while ordering)	15:1
Response Time	20 msec. adjustable upto 10 sec.(EL50) 60 msec. adjustable upto 10 sec.(EL50H)	60 msec adjustable upto 10 sec	60 msec adjustable upto 10 sec	60 msec adjustable upto 10 sec
Accuracy	±1.0% of the measured value or 3°C whichever value is greater	±1% or ±1.5°C (at ambient temperature 23 ±5 °C)	±1.5% of the measured value or 2°C whichever is greater (The sensor head must be at constant ambient temperature for a minimum of 15 minutes)	±1% or ±1.5°C (at ambient temperature 23 ±5 °C)
Repeatability	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
Analog Output	4-20mA, 0-20mA, 0-10V, J & K type T/C (User selectable)	0-20mA, 4-20mA, 0-10V, Thermocouple Type "K" or "J" (User selectable)	0-20mA, 4-20mA, 0-10V, Thermocouple Type "K" or "J" (User selectable)	0-20mA, 4-20mA, 0-10V, Thermocouple Type "K" or "J" (User selectable)
Digital Output	USB 2.0, RS-232 / RS-485 (Optional)			
Operating Temperature Range	N/A	Electronic box upto 70°C Sensor head upto 250°C	Electronic box upto 70°C Sensor head upto 180°C	Electronic box upto 70°C Sensor head upto 250°C
Power Supply	Electronic Box upto 70°C (158°F), Sensor head upto :120°C (248°F) for EL50 & upto180°C (356°F) EL50-H	12V DC to 28 V DC with reverse polarity protection	12V DC to 28 V DC with reverse polarity protection	12V DC to 28 V DC with reverse polarity protection
Power Consumption	12V - 28V DC with reverse polarity protection	Max. 2.5 watt	Max. 2.5 watt	Max. 2.5 watt
Protection Class	Max. 2.5 watt	IP65	IP65	IP65
Storage Temperature	IP65	-20°C...70°C (Electronics), -20°C...250°C (Sensor Head)	-20....60°C(Electronics) - 20....180°C (Sensor Head)	-20°C...70°C (Electronics), -20°C...250°C (Sensor Head)
Dimensions & Weight	-20 to 70°C (-4 to 158°F)	112.5 x 82.5 x 33 mm, (4.42 x 3.24 x 1.29 in), 0.6 kg (1.32lbs)		



T3 Series

Model	T3-814	T3-250	T3-390	T3-514	T3-450
Features	Digital IR Pyrometers in 2 wire technology with Analog output, TTL output, USB interface and External Emissivity setting				
Temperature Range (Sub Range Adjustable)	0°C - 1000°C (32°F - 1832°F) 75°C - 1000°C (167°F - 1832°F)	250°C - 1300°C (480°F - 2372°F) 300°C - 1800°C (572°F - 3272°F) 350°C - 2500°C (662°F - 4532°F)	300°C - 1400°C (572°F - 2552°F)	300°C - 1400°C (572°F - 2552°F) 400°C - 2500°C (752°F - 4532°F)	600°C - 2500°C (1112°F - 4532°F)
Emissivity	0.1....1.0 adjustable at device				
Spectral Range	8 μm...14 μm	1.6 μm	3.9μm	5.14 μm	1.0 μm
Photodetector Type	Thermopile	InGaAs	Thermopile	Thermopile	Si
Distance to Spot Size Ratio	50:1 100:1	50:1 100:1 200:1	50:1	50:1	200:1
Response Time	60 msec. adjustable upto 10sec	10 msec adjustable upto 10 sec	60 msec. adjustable upto 10sec	60 msec. adjustable upto 10sec	10 msec adjustable upto 10 sec
Accuracy	T < 200°C; ± 1.5% of measured value or 3°C, whichever is greater T ≥ 200°C; ± 1% of measured value or 4°C is greater	± 0.3% of the measured value + 1°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% of measured value	± 0.3% of the measured value + 1°C
Repeatability	0.1% of reading in °C + 1°C		0.3% of reading in °C + 1°C		
Analog Output	2 wire....4-20mA(Isolated)				
Digital Output	TTL Output	TTL Output	TTL Output	TTL Output	TTL Output
Sighting	Laser Pilot Light	Laser Pilot Light	Laser Pilot Light	Laser Pilot Light	Laser Pilot Light
Operating Temperature Range	0 - 70°C (32 - 158°F), 0 - 200°C (32 - 392°F), (With water cooling jacket)				
Power Supply	24 V DC Stabilized (5 to 25 V DC for Laser Targeting light (I ≤ 30 mA))	24 V DC Stabilized (5 to 25 V DC for Laser Targeting light (I ≤ 30 mA))	24 V DC Stabilized (5 to 25 V DC for Laser Targeting light (I ≤ 30 mA))	24 V DC Stabilized (5 to 25 V DC for Laser Targeting light (I ≤ 30 mA))	24 V DC Stabilized (5 to 25 V DC for Laser Targeting light (I ≤ 30 mA))
Power Consumption	For Laser Targeting Max 0.65 watt For Device Max 0.6 watt	For Laser Targeting Max 0.65 watt,For Device Max 0.6 watt	For Laser Targeting Max 0.65 watt,For Device Max 0.6 watt	For Laser Targeting Max 0.65 watt For Device Max 0.6 watt	For Laser Targeting Max 0.65 watt,For Device Max 0.6 watt
Protection Class	IP65	IP65	IP65	IP65	IP65
Storage Temperature	-20 to 70°C (-4 to 158°F)	-20 to 70°C (-4 to 158°F)	-20 to 70°C (-4 to 158°F)	-20 to 70°C (-4 to 158°F)	-20 to 70°C (-4 to 158°F)
Dimensions & Weight	Dia = Ø40mm (1.57in) L = 113.5mm (1.46in) 0.25 kg (0.55lbs)	Dia = Ø40mm (1.57in) L = 113.5mm (1.46in) 0.25 kg (0.55lbs)	Dia = Ø40mm (1.57in) L = 113.5mm (1.46in) 0.25 kg (0.55lbs)	Dia = Ø40mm (1.57in) L = 113.5mm (1.46in) 0.25 kg (0.55lbs)	Dia = Ø40mm (1.57in) L = 113.5mm (1.46in) 0.25 kg (0.55lbs)



T Series

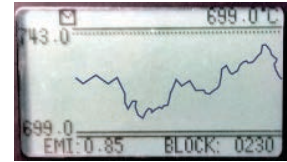


Portable Pyrometers

Model	TL-8	TI1500	TI1800
Features	Digital IR Pyrometer with Analog output, Alarm output, TTL output & USB interface for parameter setting for low temperature applications	Fast temperature measurement, Audible Alarm, data logger with real time clock, K type TC socket, Large B/W LCD display, Adjustable Emissivity, Laser on/off battery Indication	Fast temperature measurement, Audible Alarm, data logger with real time clock, K type TC socket, Large B/W LCD display, Adjustable Emissivity, Laser on/off battery Indication, Bluetooth Communications
Temperature Range (Sub Range Adjustable)	0°C - 500°C (32°F - 932°F)	0°C to 1500°C	250°C to 1800°C
Emissivity	0.1....1.2 adjustable	0.1 to 1.2	0.1 to 1.00
Spectral Range	8....14 μm	8....14 μm	1.6 μm
Photodetector Type	Thermopile	Thermopile	Thermopile
Distance to Spot Size	15:1	50: 1	100:1
Response Time	100 msec. to 10 sec. adjustable	200 msec	200 msec
Accuracy	±2% of measured value or ±3°C whichever is greater	±1% of measured value (Non-Contact IR model)+2°C whichever is greater 0.3% of full scale (thermocouple type K probe mode)	±0.5% of measured value(non-contact IR model) +1°C whichever is greater 0.3% of full scale (Thermocouple type K probe mode)
Repeatability	±0.5% of measured value or ±1°C whichever is greater	±0.3% of measured value or ±1°C 1% of full scale for Thermocouple	±0.2% of measured value or ±1°C 1% of full scale from Thermocouple
Analog Output (User Selectable)	0 - 5V, 4 - 20mA, J type or K type T/C	NA	NA
Digital Output	TTL output	NA	NA
Sighting	N/A	Single laser pointer	Single laser pointer
Operating Temperature Range	0 - 70°C (32 - 158°F)	0°C to 50°C (32 - 158°C)	0°C to 50°C (32 - 158°C)
Power Supply	24 V DC	2x AAA battery, 1.5V	2x AAA battery, 1.5V
Power Consumption	Max 1.2 watt	Battery Powered	Battery Powered
Protection Class	IP65	NA	NA
Storage Temperature	-20 to 70°C (-4 to 158°F)	-20 to 70°C (-4 to 158°F)	-20 to 70°C (-4 to 158°C)
Dimensions & Weight	Dia. = Ø25mm (0.98in) L = 103 mm (4.05in) 0.2 kg (0.44lbs)	213mm(8.38in) x 66mm(2.59in) x 195mm(7.67in) 0.37kg(0.81lbs)	213mm(8.38in) x 66mm(2.59in) x 195mm(7.67in) 0.37kg(0.81lbs)



Numeric Display



Graphic Display

P Series

Model	P250	P390	P450	P450C
Features	Highly accurate Portable infrared non-contact pyrometer	Highly accurate Portable two color infrared non-contact pyrometer	Highly accurate Portable infrared non-contact pyrometer	Highly accurate Portable two color infrared non-contact pyrometer
Temperature Range (Sub Range Adjustable)	210°C - 1350°C (410°F - 2462°F) 250°C - 1800°C (482°F - 3272°F) 300°C - 2500°C (572°F - 4532°F)	400°C - 1400°C (720°F - 2520°F)	600°C - 2500°C (1112°F - 4532°F) 700°C - 3000°C (1292°F - 5432°F)	600°C - 1600°C (1112°F - 2912°F) 800°C - 2500°C (1472°F - 4532°F)
Emissivity	0.1....1.0 adjustable	0.1....1.0 adjustable	0.1....1.0 adjustable	0.75....1.25 slope adjustable
Spectral Range	1.6 µm	3.9 µm	1.0 µm	0.7....1.15µm
Photodetector Type	InGaAs	Thermopile	Si	Si/Si
Distance to Spot Size Ratio	100:1 200:1 400:1	200:1	400:1 400:1	200:1 400:1
Response Time	5msec in Numerical Mode, 10msec in Graphical Mode, 10msec (when datastorage is ON)	50 msec in Numerical Mode 55 msec in Graphical Mode 55 msec (When data storage is 'ON')	5msec in Numerical Mode, 10msec in Graphical Mode, 10 msec (when data storage is ON)	25msec in Numerical Mode, 30msec in Graphical Mode, 30 msec (when data storage is ON)
Accuracy	± 0.3% of the measured value + 1°C	±1.0% of the measured value +1°C	± 0.3% of the measured value + 1°C	± 0.5% of the measured value + 1°C
Repeatability	0.1% of reading in °C + 1°C	0.5% of reading in °C + 1°C	0.1% of reading in °C + 1°C	0.1% of reading in °C + 1°C
Digital Output	USB 2.0	USB 2.0	USB 2.0	USB 2.0
Sighting	Optimized through lens view finder with dioptry correction -2.5 dpt. to +2.5 dpt	Optimized through lens view finder with dioptry correction -2.5 dpt. to +2.5 dpt	Optimized through lens view finder with dioptry correction -2.5 dpt. to +2.5 dpt	Optimized through lens view finder with dioptry correction -2.5 dpt. to +2.5 dpt
Operating Temperature Range	0 - 70°C (32 - 158°F)	0 - 70°C (32 - 158°F)	0 - 70°C (32 - 158°F)	0 - 70°C (32 - 158°F)
Power Supply	3 x 1.2 V Rechargeable batteries	3 x 1.2 V Rechargeable batteries	3 x 1.2 V Rechargeable batteries	3 x 1.2 V Rechargeable batteries
Protection Class	IP52	IP52	IP52	IP52
Storage Temperature	-20 to 55°C (-4 to 131°F)	-20 to 55°C (-4 to 131°F)	-20 to 55°C (-4 to 131°F)	-20 to 55°C (-4 to 131°F)
Dimensions & Weight	228 x 64 x 186mm (8.97x2.51x1.98in) 0.9kg (1.98lbs)	228 x 64 x 186mm (8.97x2.51x1.98in) 0.9kg (1.98lbs)	228 x 64 x 186mm (8.97x2.51x1.98in) 0.9kg (1.98lbs)	228 x 64 x 186mm (8.97x2.51x1.98in) 0.9kg (1.98lbs)



Foundries



Glass Industries



Petrochemical

Model	IR CAST 2C	450G2	PGM+	SRU FO
Features	Digital two color pyrometer with through lens sighting, digital interface, analog output & USB 2.0 for metal casting applications	Special 2 wire pyrometer for glass industry with Digital output & heavy duty fibre optic cable useful in high ambient temperature conditions	Portable Glass Mould pyrometer with powerful data logging, In-Built charging & probes interchangeable on site.	Explosion Proof Digital IR Fibre Optic Pyrometer with Mono Fiber Optic Cable
Temperature Range (Sub Range Adjustable)	700°C - 1700°C (1292°F - 3092°F)	600°C - 1800°C (1112°F - 3272°F)	250°C - 600°C (482°F - 1112°F)	350°C....2000°C (630°F....3600°F)
Emissivity	0.75....1.25 slope adjustable	0.05.....1.0 adjustable via DIP switch	0.1....1.0 adjustable	0.01....1.5 adjustable
Spectral Range	0.7.....1.15µm	1.0 µm	1.6 µm	Special
Photodetector Type	Si / Si	Si	-	Special
Distance to Spot Size Ratio	DV = 166:1 (V = Vertical) DH = 33:1 (H = Horizontal)	100 : 1 Min. Spot Size 11mm	-	100:1 (OH-II)
Response Time	20msec. Adjustable upto 10 sec.	250 msec Adjustable upto 10 sec.	2 msec. Adjustable upto 10 sec.	2 msec. adjustable upto 10 sec.
Accuracy	± 0.5% +1°C of measured value	±0.3% of the measured value or ±3°C whichever is greater	+/- 0.3% of the measured value +1°C	±0.25% of measured value +1°C
Repeatability	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 or +1°C
Analog Output	0-20mA, 4-20mA, 0-10V (User selectable)	4-20mA	-	Two analog output (4 - 20 mA & 0 - 20mA)
Digital Output	USB 2.0, RS-232 / RS - 485 (User Selectable)	USB 2.0	USB 2.0	✓ RS-485 Serial Interface
Sighting	Through the lens sighting	-	-	
Operating Temperature Range	0 - 70°C (32 - 158°F), 0°C - 200°C (32 - 392°F)(With water cooling jacket)	Pyrometer 0 - 70°C (32 - 158°F) Optical head & Fiber optic max 250°C (482°F)	0 - 70°C (32 - 158°F) at handle end	0°C - 70°C (32 - 158°F) Electronics 0°C - 250°C (32 - 482°F) FOC
Power Supply	24 V DC	24 V DC	3 AAA rechargeable Cell	24VDC (12 - 28 VDC)
Power Consumption	Max. 2.5 Watt.	Max 0.5 watt	-	Max. 2.5Watt
Protection Class	IP65	IP65	-	IEC Ex tbIIICDbIP68
Storage Temperature	-20 to 70°C (-4 to 158°F)	-20 to 70°C (-4 to 158°F)	-	- 20 to 70°C(-4 to 158°F)
Dimensions & Weight	Dia. = Ø49.5 mm (1.94in), L = 118 mm (4.64in), 0.6 kg (1.3lbs)	112.5 x 82.5 x 33.0 mm (4.42x3.24x1.29 in) 0.5 kg (1.10lbs)	-	156.6mm(6.16in) x 156.6mm(6.16in) x 133mm(5.23in) 5.4kg(11.9lbs)

BLACK BODIES



Model	LBBCH SP.	LBBCH	LBBH	Calsys 1200BB	Calsys 1500BB	Calsys 1700BB	Fastcal 3000
Temperature Range	-40 to 100°C (-40 to 212°F)	0 to 110°C (32 to 230°F)	50 to 500°C (122 to 932°F)	300 to 1200°C (572 to 2192°F)	500 to 1500°C (932 to 2732°F)	500 to 1700°C (932 to 3092°F)	500 to 3000°C (932 to 5432°F)
Time to Reach Max Temp.	60 Mins	45 Mins	30 Mins	1.5 Hrs.	2.5 Hrs.	3 Hrs.	30 Mins
Controlling Sensor	RTD	T/C "N" Type	RTD	Precision PT/RH-PTT/C	PT-RH/PTT/C	Precision PT/RH-PTT/C	Pyrometer
Emissivity	0.98 ±0.02	0.95 ± 0.01	0.98 ±0.02	0.99 ± 0.01	0.99 ± 0.01	0.97 ± 0.01	0.99 ± 0.01
Temperature Controller	Digital self tuned PID controller						
Computer Interface	RS - 232		RS-232/USB	RS - 232			
Power Supply	230V AC	230V AC	220VAC	230V AC	230V AC	230V AC	440V AC
Power Consumption	0.5 KW	1.0 KW	500W	2.5 KW	3.5 KW	3.0 KW	50.0 KW
Dimension & Weight	270x360x270 mm (10.6x14.7x10.8 in), 10Kg (22.04lbs)	270x360x270 mm (10.6x14.7x10.6 in), 10Kg (22.04lbs)	500x500x250 mm (19.6x19.6x9.8 in)/310x350x210mm (12.2x13.7x8.2 in), 14kg (30.8lbs)/6Kg (13.2lbs)	590x450x530 mm (23.2x17.7x20.8 in), 50 Kg(110.2lbs)	590x450x530 mm (23.2x17.7x20.8 in), 50 Kg(110.2lbs)	640x500x550 mm (25.1x19.6x21.6 in), 80 Kg (176.3lbs)	1700x900x1200 mm (66.9x35.4x47.2 in), 300 Kg (661.3lbs)

SPECIAL PYROMETERS



Aluminum Industry

Model	A5-IN/A5-S-IN (Pyrometer with Built in Scanning System)	A5-EX/A5-S-EX (Pyrometer with Built in Scanning System)	A5-WL/A5-WL-FO (Special pyrometer for Laser Welding)	A5-2W/A5-2W-FO (Pyrometer for special variable emissivity & Complicated atmosphere applications)
Temperature Range	300....2000°C (572....3632°F)	105....2500°C (221....4532°F)	105....2500°C (221....4532°F)/ 300....1000°C (662....1382°F)	105....2500°C (221....4532°F)/ 300....980°C (572....1796°F)
Photodetector Type	InGaAs	Extended InGaAs	Extended InGaAs	According to application
Spectral Range	1.3....1.6µm	2.1....2.4µm	2.0....2.5µm	According to application
Response Time	0.1sec to 17sec adjustable	0.1sec to 17sec adjustable	50 msec to 17sec adjustable	50 msec to 17sec adjustable
Accuracy & Repeatability	±1%	±1%	±1%	0.25% ±2°C (3.6°F)
Sighting	Laser Pilot Light	Laser Pilot Light	Laser Pilot Light	Laser Pilot Light
Power Supply	24V DC	24V DC	24V DC	24V DC
Analog Output	4 - 20mA, 0 - 20mA, 0 - 10V, K type T/C			
Digital Output	RS-232, RS-422, RS-485, USB, Bluetooth			
Digital Display	P110	P110	P110	P110
Dimensions	215x110x105 mm (8.46x4.33x4.13 in)	215x110x105 mm (8.46x4.33x4.13 in)	215x110x105 mm (8.46x4.33x4.13 in)	215x110x105 mm (8.46x4.33x4.13 in)
Sensor Weight	2 Kg (4.4 lbs)	2 Kg (4.4 lbs)	2 Kg (4.4 lbs)	2 Kg (4.4 lbs)
Operating Temp. Range	0-50°C (32-122°F)	0-50°C (32-122°F)	0-50°C (32-122°F)	0-50°C (32-122°F)

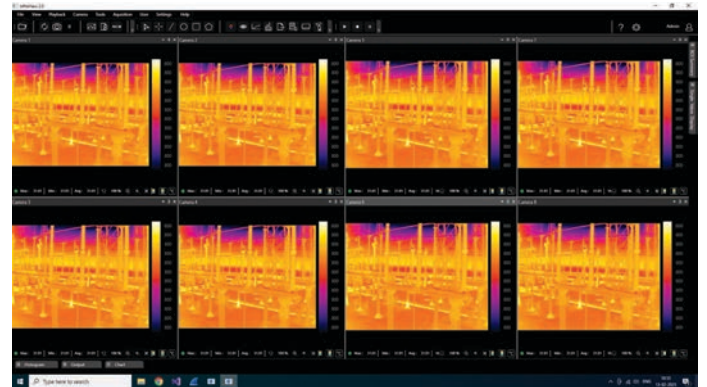
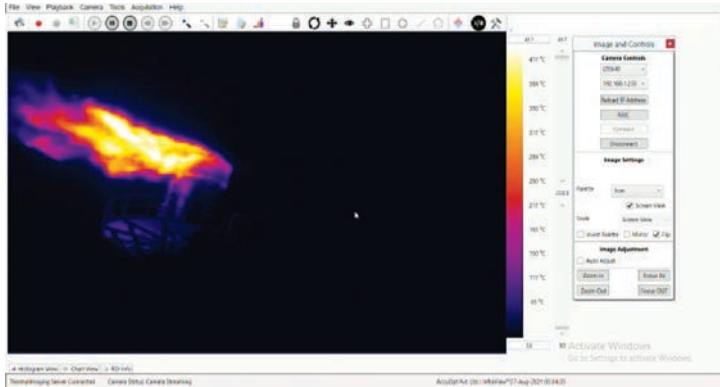


Model	ThermCAM-80	ThermCAM-160	ThermCAM-384
Temperature Range	-20°C to 120°C 100°C to 1000°C (Switchable)	-20°C to 120°C 100°C to 1000°C (Switchable)	-20°C to 120°C 100°C to 1000°C (Switchable)
Optical Resolution	80 x 80 pixels	160 x 120 pixels	384 x 288 pixels
Detector	Uncooled FPA Detector	Uncooled FPA Detector	Uncooled FPA Detector
Frequency	@25Hz	@30Hz	@30Hz
Spectral Range	8 to 14 μm	8 to 14 μm	8 to 14 μm
Sensitivity / NETD	<100mK@f1.0, 50Hz 300 K	<60mK@f1.0, 50Hz 300 K	<60mK@f1.0, 30Hz 300 K
Connection	Power Connector, RJ-45 Ethernet Connector	Power Connector, RJ-45 Ethernet Connector	Power Connector, RJ-45 Ethernet Connector
Video Format	MPEG-4	MPEG-4	MPEG-4
Image Format	BMP/JPEG	BMP/JPEG	BMP/JPEG
Power Supply	12 to 28 V DC	12 to 28 V DC	12 to 28 V DC
Power Consumption	4 Watt Max.	4 Watt Max.	4 Watt Max.



Model	ThermCAM-640	ThermCAM-HT
Temperature Range	-20°C to 120°C 100°C to 1000°C (Switchable)	700°C to 1800°C (Switchable)
Optical Resolution	640 x 480 pixels	640 x 480 pixels
Detector	Uncooled FPA Detector	High Dynamic CMOS Detector
Frequency	@15Hz	@25Hz
Spectral Range	8 to 14 μm	0.85 to 1.1 μm
Sensitivity / NETD	<50mK@f1.0, 30Hz 300 K	-
Connection	Power Connector, RJ-45 Ethernet Connector	Power Connector, RJ-45 Ethernet Connector
Video Format	MPEG-4	MPEG-4
Image Format	BMP/JPEG	BMP/JPEG
Power Supply	12 to 28 V DC	12 to 28 V DC
Power Consumption	4 Watt Max.	<12 Watt.

InfraView™ is a windows based thermal imaging software for industrial applications. It provides high-speed real time data acquisition, which enables viewing, analysis and storage of thermal data captured by AccuOpt's thermal imaging infrared cameras.



Multiple Camera Connectivity

- Display real Time Thermal Video
- Alarm Generation at Hot-Spots
- Multiple ROIs
- Temperature vs Time Chart for multiple ROIs
- Temperature Data Saving for Future Analysis
- Multiple Color palettes
- Harsh Environment Sustainability

FURNACE MONITORING SYSTEM

Model	Specifications
TFV-750	Straight View Visual Camera
TE-750	Straight View Thermal Camera
TFV-750/OV	Elbow View Visual Camera
TE-750/OV	Elbow View Thermal Camera



Features	
✓	Water cooled lens tube, Vortex cooled camera chamber
✓	Auto retraction and shutter
✓	Pneumatic cylinder
✓	Air Purged
✓	Control panel with pneumatic system
✓	Software Infraview for Thermal camera
✓	Input/Output module

Model	CCD Camera (TFV-750, TFV-750/OV)
Image sensor	1/3" Super HD CCD
TV Line	Black and White 650 lines
Illumination	0.005Lux@F2.0
Image	Manual adjustable
Video output	Composite 1 [Vp-p] 75 (Ω)
Power	DC12V (±10%)

Pinhole Lens	
Lens Length	820 mm & 1100 mm (32.2 in & 43.3 in)
Angle of view	Straight view HxVxD 65°, 56°, 85° Elbow View 45°, 60°
Mount	CS
Focus	Manual Adjustable
Iris & Zoom	Manual Adjustable

Model	Thermal Camera (TE-750, TE-750/OV)
Image Sensor	HD CMOS Sensor
Temperature Range	700° C to 1800° C (292°F to 3272°F)
Accuracy	0.3% of measure value + 1°
Resolution	740 x 480 pixels
Frame rate	25 Hz
Spectral Range	0.85 to 1.1µm
Connectivity	Ethernet

Infraview Software (For Thermal Camera)	
✓	Configurable ROI's : point, line, free shape
✓	Histogram and isotherm visualization
✓	Hot and cold spot detection
✓	Color pallet scaling
✓	Trend charts
✓	Alarm output
✓	Video and Image export
✓	Server client configuration

ABOUT US

Accurate Sensing Technologies was founded in 1994 to focus exclusively on non-contact temperature measurement solutions. Today AST is a leading name among manufacturers of infrared temperature measurement devices for different industrial as well as R&D applications. Our comprehensive product range includes Infrared Pyrometers, Thermal Imagers, Furnace Monitoring System and black body furnaces for Process Industries like Steel, Aluminum, Cement, Glass, Non-metals etc. We use innovative approaches for handling harsh conditions which are common to the process industries, which further helps us in achieving high degree of accuracy as compared to other products in the market.

Our product program covers infrared pyrometers, infrared cameras, black bodies and furnace monitoring systems. Non-contact temperature measurement with AST sensors and thermal imaging cameras ensures high production line quality standards. The quality and flexibility of the sensors and thermal imaging cameras offer a variety of benefits and ensure cost savings.

Our highly experienced Electro-Physics, Optical scientists and application engineering teams continuously strives to provide our valuable customers best possible solutions in the world of infrared measurement technology. Our sales/dealer network with experienced and qualified application experts assures customer satisfaction via instant solutions and feedbacks. With large vivid distributors network worldwide our products are just a mouse click away.



Accurate Sensing Technologies

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We Measure Accurate Temperature in Extreme Conditions