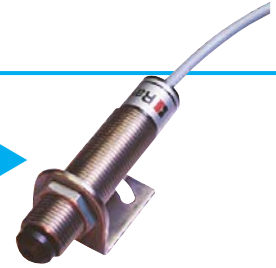


## Raytek Infrared Temperature Sensors

### Thermalert CI

- Type J or K, or 0-5V Output
- IP 65 (NEMA-4) Stainless Steel Electronics Housing
- 4:1 Optics at 90% Energy
- 350 mSec (95%) Response Time
- Powered by 12-24 VDC at 20 mA

21035T



### Ordering Information

Order #	Description	Price
MP21035T-1	IR Temperature Sensor, J T/C, 0-350°C	
MP21035T-2	IR Temperature Sensor, K T/C, 0-350°C	
MP21035T-3	IR Temperature Sensor, 10 mV/°C Linear Voltage, 0-350°C	
MP21035T-4	IR Temperature Sensor, J T/C, 30-500°C	
MP21035T-5	IR Temperature Sensor, K T/C, 30-500°C	
MP21035T-6	IR Temperature Sensor, 10 mV/°C Linear Voltage, 30-500°C	
MPCIAP	Air Purge Accessory	
MPCIACFB	Mounting Bracket	

### Specifications

Resolution (temp)/(optical):	<0.5°C (1°F)/(4:1)
Outputs:	J or K Thermocouple or 10mV/°C Linear Voltage
Emissivity:	Fixed at 0.95
Accuracy:	0 to 115°C:±2% or 3°C, 115°C to 350°C:±5% or 6°C
Cable:	3 ft. Connecting Cable
Size/Weight:	0.75" dia. x 3.4"L/4.5 oz.

### Thermalert MID

- Small Sensing Head Fits Where Other Sensors Can't
- Adjustable Emissivity, Peak Hold, Valley Hold and Averaging
- 1% Accuracy from -40 to 600°C (-40 to 1112°F)
- Choice of 2:1 or 10:1 Optics

21036T



### Specifications

Resolution (temp)/(optical):	<0.3°C (.5°F)/(10:1 or 2:1)
Outputs:	J or K T/C, 0-5V, 0/4-20 mA All Outputs Field Selectable
Emissivity:	Adjustable 0.100 to 1.100
Accuracy:	1% of Reading
Cable:	10 ft. Connecting Cable
Power:	11-26 VDC @ 100 mA
Size/Weight:	Sensor 0.55" dia. x 1.1" L/1.75 oz. Housing: 3.2 x 2.4 x 1.0"HWD/9.5 oz.

### Ordering Information

Order #	Description	Price
MP21036T-3	IR Temperature Sensor, 2:1 Optics, -40 to 600°C	
MP21036T-4	IR Temperature Sensor, 10:1 Optics, -40 to 600°C	
MPMIACAJ	Air Purge Accessory	
MPMIACFB	Mounting Bracket	

## NEW Extech Wide Range IR Thermometers

### Non-Contact IR Thermometer Measures up to 1000°F

- Laser Pointer Centers Target Area
- °F/°C Switchable
- Narrow Field of View
- Backlit Display
- Automatic Data Hold
- Compete with 9V Battery

### Specifications and Ordering Information

Mfg #	42529	42530
Range:	0 to 600°F or -20 to 320°C	-58 to 1000°F or -50 to 538°C
Accuracy:	±2% of reading or ±4°F/ 2°C (whichever is greater)	
Resolution:	1°F/°C	
Emissivity:	0.95 fixed	
Display:	Backlit LCD	
Power:	9V battery	
Field of view:	6:1	8:1
Dimensions:	6.7x1.7x1.6" (170x44x40mm)	
Weight:	6.4oz. (200g)	
Order #	MP42529	MP42530
Price		



45529

45530

## Newport Industrial Infrared Thermometer/Transmitter

- ±1% of Reading Accuracy
- Current, Voltage or Millivolt Output
- °C/°F Keypad Selectable
- Local Backlit LCD Display Standard
- Dual Display Indicates Current Plus Min, Max, Average or Differential Temperatures
- Visual-Audible High/Low Alarm with Relay Driver Output
- Keypad Adjustable Emissivity from 0.1 to 1.00 in 0.01 Steps
- Fast 250 msec Response Time
- Complete NEMA-4 System
- RS-232 Available
- Safe and Easy to Install

NEWPORT's NEW OS550 Series Industrial, high performance, economical thermometers offer a choice of temperature ranges, optical patterns or fields of view and three outputs (1 mV/ degree, 4-20 mA, and 0-5 VDC) to feed directly into panel meters, recorders temperature/process controllers, dataloggers, data acquisition systems or other process instrumentation.

Since the OS550 Series infrared thermometers do not use chopper motors or vibrator mechanisms, they can be mounted in any position and in hostile environments without suffering any loss in performance.

### Specifications

Accuracy:	±1% of reading @ 25°C ambient or 3°F, whichever is greater
Repeatability:	±1% rdg ±1 digit
Spectral Response:	8–14 microns
Emissivity Range:	0.10 to 0.99
Field of View (FOV):	10:1, 20:1, or 30:1
Power:	7–24 VDC @ 80 mA
Environmental Ratings:	NEMA-4 water tight and dust for sensing head and electronics
Operating Range:	Sensing head: 0 to 185°F (-18 to 85°C); Electronics: 32 to 122°F (0 to 50°C)
RS-232:	Standard on OS552 and OS553 models
Dimensions:	Head: 10.9 x 4.1 cm (4.30 x 1.63") Electronics: 13.3 x 9.1cm (5.25 x 3.62")

### To Order Complete NEMA-4 System (Specify Model No.)

Order #	Output	Temperature Range	RS-232	Price
MPOS551-MV-(*)/N	1 mV/deg	0 to +750°F (-18 to +400°C)	—	
MPOS551-MA-(*)/N	4–20 mA	0 to +750°F (-18 to +400°C)	—	
MPOS551-V1-(*)/N	0–5 VDC	0 to +750°F (-18 to +400°C)	—	
MPOS552-MV-(*)/N	1 mV/deg	0 to +1000°F (-18 to +540°C)	Standard	
MPOS552-MA-(*)/N	4–20 mA	0 to +1000°F (-18 to +540°C)	Standard	
MPOS552-V1-(*)/N	0–5 VDC	0 to +1000°F (-18 to +540°C)	Standard	
MPOS553-MV-(*)/N	1 mV/deg	0 to +1600°F (-18 to +870°C)	Standard	
MPOS553-MA-(*)/N	4–20 mA	0 to +1600°F (-18 to +870°C)	Standard	
MPOS553-V1-(*)	0–5 VDC	0 to +1600°F (-18 to +870°C)	Standard	

\* Insert optics code

### Accessories

Order #	Description	Price	Order #	Description	Price
MPOS550-AP	Air Purge Collar		MPOS550-MN/N	Mounting Nut	
MPOS550-WC/N	Air/Water Cooling Jacket		MPOS550-LS/N	Sighting Viewer (laser) (not shown)†	
MPOS550-MF/N	Mounting Frame		MPPSU24B/N	24 VDC Power Supply	
MPOS550-MB/N	Right-Angle Mounting Bracket		MPTX4-100/N	Power/Output Extension Wire (100 feet)	

†One unit suitable for aligning many heads.

OS550/N sensor head shown with optional mounting bracket and mounting nut



OS550/N main electronics display

### Optical Table\*

Optical Range Code	Field of View (FOV)
- 1	Spot Size .35" at 24"
- 2	Spot Size .5" at 3"
- 3	Spot Size 1" at 20"
- 4	Spot Size 1" at 30"
- 5	Spot Size 1" at 60"
- 6	Spot Size .15" at 6"