

 infraRed
Thermometer

About ZyTemp

About Us

- Radiant Innovation Inc. has obtained P.R.C (The People's Republic of China) China CPA.
- Radiant was certified by Taiwan Corporate Governance Association (TCGA) with the Provisions of CG6004 General Assessment Criteria of the Corporate Governance System
- Radiant's stock has been officially listed in the OTC market (went public)
- Radiant won Taiwan's the 10th Rising Star Award
- Radiant has obtained the Symbol of Deloitte-TECH Fast 50 Taiwan acquire
- Radiant wins "Year 2004 Taiwan's Prestigious Symbol of Excellence Award"
- Radiant Innovation Inc. wins Year 2002 Taiwan Incorporation Competition [TIC] Silver Award from the Ministry of Economic Affairs
- Receive the Symbol of Excellence Awards in Taiwan



Founded in July 2000, ZyTemp belongs to world-class Infrared Technology-oriented thermometer manufacturer – Radiant Innovation Inc. and become a premier provider of infrared temperature measurement devices. Originally started from a professional team of engineers specializing in infrared thermometry, this company is now emerging as worldwide well-known manufacturer of infrared thermometers (IRT). Our growing production lines include various IRT that can be widely used in expansive array of scientific, professional, academic, and personal applications.

A Strong and Highly Experience Technical Team

ZyTemp is an engineering-based company with extensive experience in product development which composed of technical professionals with experience in Optoelectronics, Semiconductor, and Biotechnologies. We have been successfully certificated for quality management, development, and production because of our expert knowledge in electronics, machinery, software, firmware programming, quality control and manufacturing.

Certification

We have obtained ISO9001 certifications and certified by CE, FDA Laser, NSF, UKCA, PSC, REACH



Traceable

ZyTemp has maintained a traceable Temperature Primary Standard.
Please refer to the website for further details.
<http://www.zytemp.com/qualitysystem/traceable.asp>



Performance

The high performance of our product line make ZyTemp become leading brand in the market. Aiming to be the top infrared thermometer supplier, we have set high standards in quality control and assurance systems. For this reason, our product repair rates never exceeded 0.03% since our establishment.



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Thermal Imager Camera
TIM038VL · TIM06V · TIM03 Series



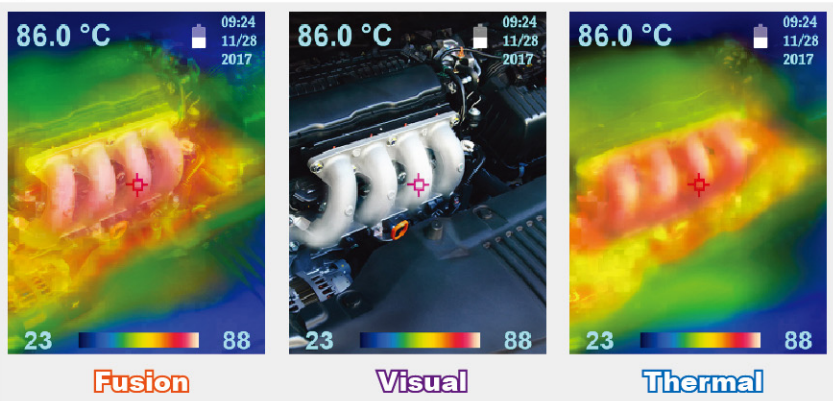
• Automation / Process Control • Building diagnostics • Electrical / Mechanical • Solar • HVAC



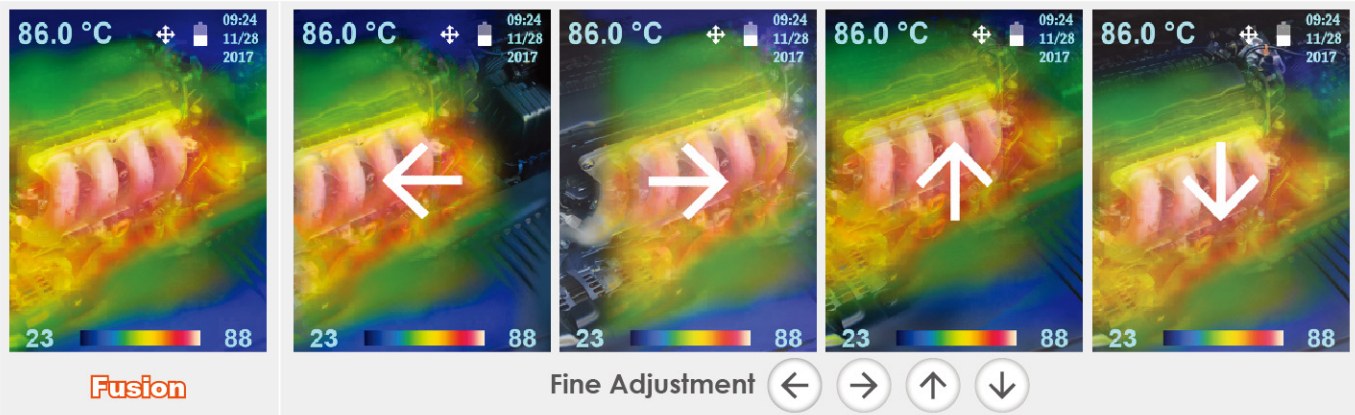
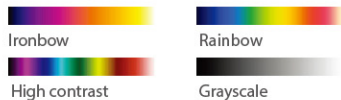
TIM038VL

- Fusion / Visual / Thermal (Photo/Video Mode) (TIM038VL/TIM06V/TIM03V)
- Fully Automatic Measurement
- Focus Free
- Fine Adjustment: the blending area of visual & thermal images(TIM038VL/TIM06V)
- Outstanding Measurement / Accuracy
- Micro SD Card Storage
- Reporting Software Included(TIM03)

TIM038VL/TIM06V-Display Mode



Color palettes



Thermal Imager Camera
TIM038VL · TIM06V · TIM03 Series

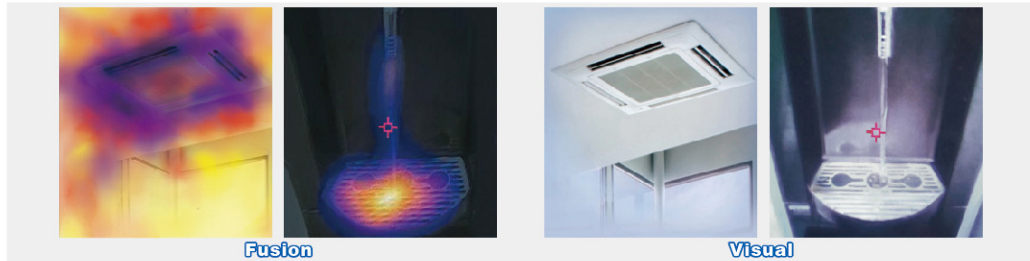


• Automation / Process Control • Building diagnostics • Electrical / Mechanical • Solar • HVAC

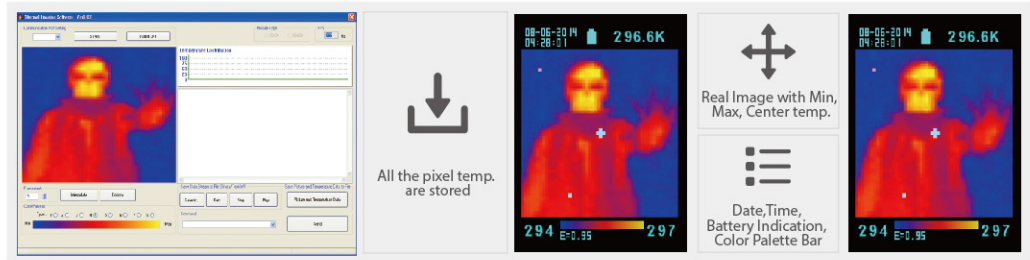


TIM06V/TIM03V

TIM03V(Visual)



TIM03

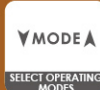


	TIM038VL	TIM06V	TIM03V	TIM03
Description	Thermal Imager Camera			
IP Classification	IP54			
Thermal Image Resolution	160 x 120	60 x 40	32 x 32	32 x 31
Visual Image Resolution	640 x 480			—
Infrared Measurement Range	-20~500°C(-4~932°F)		-20~350°C(-4~662°F)	-20~250°C(-4~482°F)
Infrared Accuracy (Tamb=20~26°C)	±2% of reading, or 2°C(4°F) whichever is greater			
Thermal Sensitivity	0.1°C(0.1°F)			
Frame Rate	9Hz			
Field of View	51 x 40 deg	38 x 24.5 deg	33 x 33 deg	40 x 40 deg
Emissivity	0.95 default adjustable 0.1 to 1 step .01			
Focus	Focus free			
LCD (inch)	2.8			
Mode	HAL/LAL Temp, Photo/Video, Auto Off Time, Target Distance, Languages, Date/ Time			
Memory Type/Image Storage	Stores up to 180,000 images, PNG format, for 32G micro SD card, stores up to 320,000 images, PNG format, for 64G micro SD card.			Stores up to 90,000 images, BMP format, for 32G micro SD card, stores up to 170,000 images, BMP format, for 64G micro SD card.
Spectral Range	8~14μm			
Interface	USB			
Battery Type	3.7V Li-ion rechargeable battery x 1			AA x 4
Battery Life (with backlit)	4 hrs continuous use	3 hrs continuous use		6 hrs continuous use

Specifications are subject to change without notice

Combo Thermal Detector

TN49A · TN49R Series



• Building Diagnostics • HVAC



- THB(thermal bridge detection) / DPT(dew point temp.)
- With Buzzer(TN49A/TN49R) & Vibration Alarms(TN49R)
- Infrared up to 1000°C(1832°F)
- Laser Sight Technology
- High DS Ratio up to 35:1(TN49A) / 30:1(TN49R)
- Detailed Memories with Temperature & Emissivity
- Color Bar Display
- Optional : Socket / Bluetooth(TN49A/TN49R), USB(TN49R)



DPT(Dew Point Temp.)
(TN49R)

RH
(TN49R)

THB (Thermal Bridge Detection) (TN49R)

THB Mode LED Display
(TN49A)

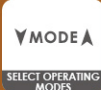
Red / Green Circle Laser
(TN49ALB)

	TN49ALA	TN49ALB	TN49RXCG	TN49RXG	TN49RXBG
Description	IRT+Laser+Color Bar Display+THB+Bluetooth(△)		IRT+Laser+Color Bar Display+THB+DPT+RH+Bluetooth(△)USB(△)		
Measurement Range	-60~760°C(-76~1400°F)	-60~1000°C(-76~1832°F)	-60~550°C(-76~1022°F)		-60~1000°C(-76~1832°F)
Full Range Accuracy (Tamb=23±3°C)	≥0°C: ±2% of reading or 2°C(4°F) whichever is greater; <0°C: ±(2°C+0.05/°C)°C				
Distance : Spot	16:1	35:1	12:1		30:1
Emissivity Range	0.95 default adjustable 0.1 to 1 step .01				
Resolution	0.1°C/0.1°F at -83.2~999.9(°C/°F), otherwise 1°C/1°F				
Thermocouple Probe	Small Socket, K type, 12 min. auto power off				
Measurement Range*	-64~1400°C(-83.2~2552°F)				
Memory	24 sets		50 sets	—	50 sets
Power Supply	AAA x 2				

*Actual temperature range depends on the TC probe selected. △:Optional Specifications are subject to change without notice

Dual Laser Infrared Thermometer

TN768 · TN758 · TN568 Series



• Steel-making • Electric Power • Petrochemical



- Infrared up to 2400°C(4352°F)(TN568LC2)
- Dual Laser Points for the Target Spot Size
- High DS (Distance to Spot) Ratio 100:1(TN568)/ 75:1(TN768/TN758)
- Detail Memories with Temperature and Emissivity
- Output interface : SPI / Micro SD Card(TN758), USB Function(TN768/TN758/TN568)

Dual Laser

Color Bar Display
(Model with G)

USB Function
(optional)

Built-in Socket

Memory Mode

Blue Backlight

Rugged Design-
Shatterproof to 2M

Ergonomic Handle
(Rubber Boot)

Magnetic Stand(optional)
Attach to metal surface

Tripod Mount

	TN568LC2	TN568LC1	TN768LB	TN768LC	TN768LD	TN758LC	TN758LB
Description	IRT + Laser + Thermocouple socket, (U) with USB Function, (K) with SD Card Storage, (G) with Color Bar Display (optional)						
Measurement Range	200~2400°C (392~4352°F)	100~1800°C (212~3272°F)		-35~1500°C (-31~2732°F)	-60~1500°C (-76~2732°F)	-35~1600°C (-31~2912°F)	100~2000°C (212~3632°F)
Full Range Accuracy (Tamb=23±3°C)	±2% of reading			≥0°C: ±2% of reading or 2°C(4°F) whichever is greater <0°C: ±(2°C+0.05/°C)°C	±2% of reading or 2°C(4°F) witchever is greater	≥0°C: ±2% of reading or 2°C(4°F) whichever is greater <0°C: ±(2°C+0.05/°C)°C	±2% of reading
Distance : Spot	100:1		75:1		50:1	60:1	75:1
Emissivity Range	0.95 default adjustable 0.1 to 1 step .01						
Resolution	0.1°C/0.1°F at -83.2~999.9(°C/°F), otherwise 1°C/1°F						
Spectral range	1.1~3.7μm	2.3~5μm	8~14μm				2.3μm
Mode	Max/Min, Dif, Ave, Lock, Hi/Low Temp Alarm						
Memory	Detailed 24 Memories with Temperature & Emissivity						
Memory Type	—					Support micro SD card (Recommend to use the attached micro SD card)	
Thermocouple Probe	Small Socket, K type, 12 minutes auto power off						
Measurement Range*	-64~1400°C(-83.2~2552°F)						
Probe Accuracy	±1% of reading or 1°C(1.8°F) whichever is greater (Test under Tamb=23±6°C)						
Power Supply	AA x 2		AAA x 2			AA x 2	

*Actual temperature range depends on the TC probe selected. Specifications are subject to change without notice

Dual Laser / Multi-Beams Laser IRT

TN475 · TN425 · TN423 Series



• Steel-making • Electric Power • Petrochemical



TN475 Series
TN425 Series

TN423 Series

- Infrared up to 1600°C(2912°F)
- Laser Sight for better targeting
- High DS (Distance to Spot) Ratio up to 75:1(TN475) / 50:1(TN425) / 35:1(TN423)
- Detailed 24 Memories with Temperature & Emissivity(optional)
- Mini Thermocouple Socket up to 1400°C(optional)



	TN475LC	TN425LN	TN425LB	TN425LM	TN425LC	TN425LA	TN423LA	TN423LB	TN423LC	TN425L	
Description	IRT + Dual Laser + Thermocouple socket(optional), (E) with LED Flashlight(optional)										
Measurement Range	-60~1600°C (-76~2912°F)	-60~1500°C (-76~2732°F)		-60~1000°C (-76~1832°F)		-60~1200°C (-76~2192°F)	-60~1500°C (-76~2732°F)	-60~1000°C (-76~1832°F)	-60~860°C (-76~1580°F)	-60~1000°C (-76~1832°F)	
Full Range Accuracy (Tamb=23±3°C)	≥0°C: ±2% of reading or 2°C(4°F) whichever is greater <0°C: ±2°C+0.05/°C/°C	Tobj= -33~1500°C: ±2% of reading or 2°C(4°F) whichever is greater		Tobj= -33~1000°C: ±2% of reading or 2°C(4°F) whichever is greater		Tobj= -33~1200°C: ±2% of reading or 2°C(4°F) whichever is greater	Tobj= -33~1500°C: ±2% of reading or 2°C(4°F) whichever is greater	Tobj= -33~1000°C: ±2% of reading or 2°C(4°F) whichever is greater	Tobj= -33~860°C: ±2% of reading or 2°C(4°F) whichever is greater	Tobj= -33~1000°C: ±2% of reading or 2°C(4°F) whichever is greater	
Distance : Spot	75:1	50:1				35:1			30:1	50:1	
Emissivity Range	0.95 default adjustable 0.1 to 1 step .01										
Resolution	0.1°C/0.1°F at -83.2~999.9(°C/°F), otherwise 1°C/1°F										0.1°C/0.1°F at -76~999.9 (°C/°F), otherwise 1°C/1°F
Mode	Ave, Dif, Lock, Max/Min, Hi/Low Temp Alarm										
Memory	—	Detailed 24 Memories with Temperature & Emissivity	—	Detailed 24 Memories with Temperature & Emissivity	—						
Thermocouple Probe	Small Socket, K type, 12 minutes auto power off										—
Measurement Range*	-64~1400°C(-83.2~2552°F)										—
Probe Accuracy	±1% of reading or 1°C(1.8°F) whichever is greater (Test under Tamb=23±6°C)										—
Power Supply	AAA x 2										

*Actual temperature range depends on the TC probe selected. Specifications are subject to change without notice

Dual Laser / Multi-Beam Laser IRT

TN499 · TN498 · TN497 · TN496 Series



• Electric Power • Fire Protection • Laboratory • HVAC • AUTO • HACCP



TN499LB

TN497LB

- Infrared up to 760°C(1400°F)
- Laser Sight for better targeting
- High DS(Distance to Spot) Ratio up to 30:1
- Color Bar Display(TN499/TN497)
- Mini Thermocouple Socket up to 1400°C(optional)
- Best Cost / Performance Ratio



	TN499LB / TN498LB / TN497LB / TN496LB	TN498LD / TN497LD / TN496LD	TN499LC / TN498LC / TN497LC / TN496LC
Description	IRT + Laser + Thermocouple socket, (E) with LED Flashlight (optional)		
Measurement Range	-60~760°C(-76~1400°F)	-60~625°C(-76~1157°F)	-60~550°C(-76~1022°F)
Full Range Accuracy (Tamb=23±3°C)	≥0°C: ±2% of reading or 2°C(4°F) whichever is greater <0°C: ±2°C+0.05/°C/°C		
Distance : Spot	30:1	16:1	12:1
Emissivity Range	0.95 default adjustable 0.1 to 1 step .01		
Resolution	0.1°C/0.1°F at -83.2~999.9(°C/°F), otherwise 1°C/1°F		
Mode	Ave, Dif, Lock, Max/Min, Hi/Low Temp Alarm		
Thermocouple Probe	Small Socket, K type, 12 minutes auto power off		
Measurement Range*	-64~1400°C(-83.2~2552°F)		
Probe Accuracy	±1% of reading or 1°C(1.8°F) whichever is greater (Test under Tamb=23±6°C)		
Power Supply	AAA x 2		

*Actual temperature range depends on the TC probe selected. Specifications are subject to change without notice

Splash Proof IRT

TN49S Series



Splash Proof IRT

TN43P · TN43S Series



• Steel-making • Electric Power • Petrochemical

• AUTO • HACCP • HVAC • Power • Industry • Laboratory



TN49SLBUG



TN49SLCUG

- Infrared up to 760°C(1400°F)
- IP54 Splash Proof Classification
- Laser Sight for better targeting
- High DS(Distance to Spot) Ratio 30:1
- Color Bar Displays Temperature in Max/Min Mode(optional)
- USB Function



IP54 Splash Proof Classification



Color Bar Display (Model with G)



User Friendly Interface



USB Function



Built-in Socket



Blue Backlight

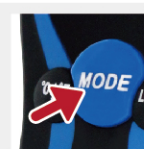


TN43P



TN43S

- Laser Sight for better targeting
- Real time maximum temperature reading
- High DS(Distance to Spot) Ratio up to 12:1
- Recall the Last Reading
- Large LCD Screen with bright amber color backlight
- IP54 Splash Proof Classification



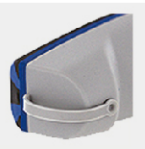
Recall the Last Reading



IP54 Splash Proof Classification



Bright amber color backlight



Rubber Gasket (TN43S)

	TN49SLBU	TN49SLCU
Description	IRT + Laser + Thermocouple socket, (U) with USB Function, (G) with Color Bar Display	
Measurement Range	-60~760°C(-76~1400°F)	-60~550°C(-76~1022°F)
Full Range Accuracy (Tamb=23±3°C)	≥0°C: ±2% of reading or 2°C(4°F) whichever is greater <0°C: ±(2°C+0.05/°C)°C	
Distance : Spot	30:1	12:1
Emissivity Range	0.95 default adjustable 0.1 to 1 step .01	
Resolution	0.1°C/0.1°F at -83.2~999.9(°C/°F), otherwise 1°C/1°F	
Mode	Ave, Dif, Lock, Max/Min, Hi/Low Temp Alarm	
Thermocouple Probe	Small Socket, K type, 12 minutes auto power off	
Measurement Range*	-64~1400°C(-83.2~2552°F)	
Probe Accuracy	±1% of reading or 1°C(1.8°F) whichever is greater (Test under Tamb=23±6°C)	
Power Supply	AAA x 2	

*Actual temperature range depends on the TC probe selected. Specifications are subject to change without notice

	TN43PL2 / TN43SL2	TN43PL1 / TN43SL1
Description	IRT + Laser	
Measurement Range	-60~550°C(-76~1022°F)	-50~460°C(-58~860°F)
Full Range Accuracy (Tamb=23±3°C)	≥0°C: ±2% of reading or 2°C(4°F) whichever is greater <0°C: ±(2°C+0.05/°C)°C	≥0°C: ±2.5% of reading or 2.5°C(4.5°F) whichever is greater <0°C: ±(2.5°C+0.05/°C)°C
Distance : Spot	12:1	
Emissivity Range	0.95 default – adjustable 0.1 to 1 step .01	0.95 or 0.70 (The default emissivity is 0.95)
Resolution	0.1°C/0.1°F at -76~999.9(°C/°F), otherwise 1°C/1°F	0.2°C/0.5°F at -9.9~199.9(°C/°F), otherwise 1°C/1°F
Mode	Ave, Dif, Hi/Low Alarm, Max/Min, Lock	Max, Lock
Power Supply	AAA x 2	

Specifications are subject to change without notice

Dual Functions IRT

TN418 · TN410 Series



• AUTO • Power • HACCP • Industry • HVAC • Laboratory



TN418LCRVH

TN410LC

- Various Measurement Range & DS Ratio for Option
- Precise K type Thermocouple Thermometer Available(optional)
- User Friendly Interface
- Vibration Warning(TN418LCRVH)
- Color Bar Displays Temperature in Max/Min Mode
- With White LED Flashlight(optional)



Color Bar Display
(Model with G)

Built-in Socket

LED Flashlight
(optional)

TN418LCR

	TN418LD	TN418LB	TN418LA	TN418L9	TN418LC	TN418L2	TN418L3	TN418L1/TN418LOY	TN418LOZ
	TN410LD	TN410LB	TN410LA	TN410L9	TN410LC	TN410L2	TN410L3	TN410L1	
Description	IRT + Laser, (E) with LED Flashlight (optional), (G) with Color Bar Display								
Measurement Range	-60~-625°C (-76~1157°F)		-60~760°C (-76~1400°F)		-60~500°C (-76~932°F)	-60~625°C (-76~1157°F)	-60~500°C (-76~932°F)		-60~550°C (-76~1022°F)
Full Range Accuracy (Tamb=23±3°C)	≥0°C : ±2% of reading or 2°C(4°F) whichever is greater <0°C : ±(2°C+0.05/°C)°C		Tobj= -33~760°C: ±2% of reading or 2°C(4°F) whichever is greater		Tobj= -33~500°C: ±2% of reading or 2°C(4°F) whichever is greater	≥0°C : ±2% of reading or 2°C(4°F) whichever is greater <0°C : ±(2°C+0.05/°C)°C		Tobj= -33~500°C: ±2% of reading or 2°C(4°F) whichever is greater	≥0°C : ±2.5% of reading or 2.5°C (4.5°F) whichever is greater <0°C : ±(2.5°C+0.05/°C)°C
Distance : Spot	16:1	30:1	20:1	12:1		16:1	12:1		15:1
Emissivity Range	0.95 default adjustable 0.1 to 1 step .01					0.95 Fixed			
Resolution	0.1°C/0.1°F at -9.9~199.9(°C/°F), otherwise 1°C/1°F								
	Color bar display: 0.1°C/0.1°F at -83.2~999.9(°C/°F), otherwise 1°C/1°F					Color bar display: 0.1°C/0.1°F at -76~999.9(°C/°F), otherwise 1°C/1°F			
Mode	Ave, Dif, Lock, Max/Min, Hi/Low Temp Alarm						Max		
Thermocouple Probe	Small Socket, K type, 12 minutes auto power off						—		
Measurement Range*	-64~1400°C (-83.2~1999°F)						—		
Probe Accuracy	±1% of reading or 1°C(1.8°F) whichever is greater (Test under Tamb=23±6°C)					—			
Power Supply	AAA x 2								

*Actual temperature range depends on the TC probe selected. Specifications are subject to change without notice

Dual Functions IRT

TN41A Series



• AUTO • HACCP • HVAC • Power • Industry • Laboratory



TN41ALCH

TN41AL3

- Various Measurement Range & DS Ratio for Option
- Precise K type Thermocouple Thermometer Available(optional)
- User Friendly Interface
- Color Bar Displays Temperature in Max/Min Mode
- Large LCD Screen, with bright amber color backlight



Color Bar Display
(Model with G)

User Friendly
Interface

Built-in Socket
(optional)

	TN41ALB	TN41ALC	TN41ALD	TN41AL3
Description	IRT + Laser, (G) with Color Bar Display			
Measurement Range	-60~760°C(-76~1400°F)	-60~500°C(-76~932°F)	-60~625°C(-76~1157°F)	-60~500°C(-76~932°F)
Full Range Accuracy (Tamb=23±3°C)	≥0°C : ±2% of reading or 2°C(4°F) whichever is greater <0°C : ±(2°C+0.05/°C)°C			
Distance : Spot	30:1	12:1	16:1	12:1
Emissivity Range	0.95 default adjustable 0.1 to 1 step .01			
Resolution	0.1°C/0.1°F at -9.9~199.9(°C/°F), otherwise 1°C/1°F			
Mode	Ave, Dif, Lock, Max/Min, Hi/Low Temp Alarm			
Thermocouple Probe	Small Socket, K type, 12 minutes auto power off			
Measurement Range*	-64~1400°C(-83.2~1999°F)			
Probe Accuracy	±1% of reading or 1°C(1.8°F) whichever is greater (Test under Tamb=23±6°C)			
Power Supply	AAA x 2			

*Actual temperature range depends on the TC probe selected. Specifications are subject to change without notice

Valuable Infrared Thermometer

TN430 · TN436 Series



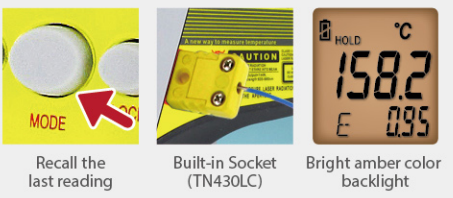
• AUTO • HACCP • HVAC • Power • Industry • Laboratory



TN430LC

TN436LD

- User Friendly Interface
- Real time maximum temperature reading
- Recall the Last Reading
- Large LCD Screen with bright amber color backlight
- Auto Power Off



Recall the last reading

Built-in Socket (TN430LC)

Bright amber color backlight

	TN436LD	TN430LC	TN430L2	TN430L1	TN430L0
			TN436L2	TN436L1	TN436L0
Description	IRT + Laser	IRT + Laser + Thermocouple socket	IRT + Laser		
Measurement Range	-60~-625°C(-76~-1157°F)	-60~-550°C(-76~-1022°F)		-50~-460°C(-58~-860°F)	-38~365°C(-36.4~689°F)
Full Range Accuracy (Tamb=23±3°C)	≥0°C: ±2% of reading or 2°C(4°F) whichever is greater <0°C: ±(2°C+0.05/°C)°C			≥0°C: ±2.5% of reading or 2.5°C(4.5°F) whichever is greater <0°C: ±(2.5°C+0.05/°C)°C	
Distance : Spot	16:1	12:1			
Emissivity Range	0.95 default adjustable 0.1 to 1 step .01			0.95 or 0.70 (The default emissivity is 0.95)	
Resolution	0.1°C/0.1°F at -76~-999.9(°C/°F), otherwise 1°C/1°F	0.1°C/0.1°F at -83.2~-999.9(°C/°F), otherwise 1°C/1°F	0.1°C/0.1°F at -76~-999.9(°C/°F), otherwise 1°C/1°F	0.2°C/0.5°F at -9.9~199.9(°C/°F), otherwise 1°C/1°F	
Mode	Ave, Dif, Lock, Max/Min, Hi/Low Temp Alarm			°C/°F, Max, Lock	
Thermocouple Probe	—	Small Socket, K type, 12 minutes auto power off	—		
Measurement Range*	—	-64~1400°C(-83.2~2552°F)	—		
Probe Accuracy	—	±1% of reading or 1°C(1.8°F) whichever is greater (Test under Tamb=23±6°C)	—		
Power Supply	AAA x 2				

*Actual temperature range depends on the TC probe selected. Specifications are subject to change without notice

Valuable Infrared Thermometer

TN433 · TN43C Series



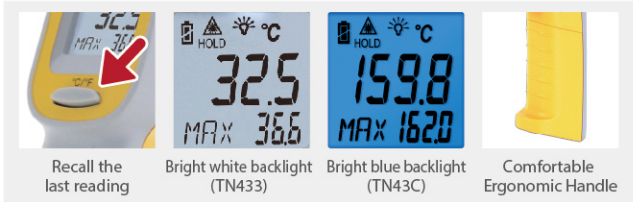
• AUTO • Power • HACCP • Industry • HVAC • Laboratory



TN433L0

TN43C

- Laser Sight for better targeting
- Real time maximum temperature reading
- Recall the Last Reading
- Large LCD Screen with backlight
- Auto Power Off: 15 seconds



Recall the last reading

Bright white backlight (TN433)

Bright blue backlight (TN43C)

Comfortable Ergonomic Handle

	TN433L0 / TN43CL0	TN433L1 / TN43CL1	TN433L2 / TN43CL3
Description	IRT + Laser		
Measurement Range	-38~365°C(-36.4~689°F)	-50~460°C(-58~860°F)	-60~550°C(-76~1022°F)
Full Range Accuracy (Tamb=23±3°C)	≥0°C: ±2.5% of reading or 2.5°C(4.5°F) whichever is greater <0°C: ±(2.5°C+0.05/°C)°C		≥0°C: ±2% of reading or 2°C(4°F) whichever is greater <0°C: ±(2°C+0.05/°C)°C
Distance : Spot	12:1		
Emissivity Range	0.95 Fixed		
Resolution	0.2°C/0.5°F at -9.9~199.9(°C/°F), otherwise 1°C/1°F		0.1°C/0.1°F at -76~999.9(°C/°F), otherwise 1°C/1°F
Mode	Max		
Power Supply	AAA x 2		

Specifications are subject to change without notice

HACCP Thermometer

TCT70MF Series

• HACCP • AUTO • Power • HVAC • Laboratory



TCT70MF

- Laser Sight for better targeting
- HACCP Indicator: LED display(Green/Red)
- IP67 Splash Proof Classification
- Large LCD screen with green backlight
- User-friendly Interface



	TCT70MF
Description	IRT + Laser
Measurement Range	-30~250°C(-22~482°F)
Full Range Accuracy (Tamb=23±3°C)	-30~0°C: ±1°C+0.1/degree), 0~ 65°C: ±1°C, 65~250°C: ±1.5% of reading
Distance : Spot	8:1
Emissivity Range	0.95 default, adjustable 0.1 to 1 step .01
Resolution	0.1°C/0.1°F at -9.9~199.9°C/°F, otherwise 1°C/1°F
Mode	Real Time Max/Min, AVG, DIF, Hi/Low Alarm, Lock
Power Supply	AAA x 2

Specifications are subject to change without notice

HACCP Thermometer

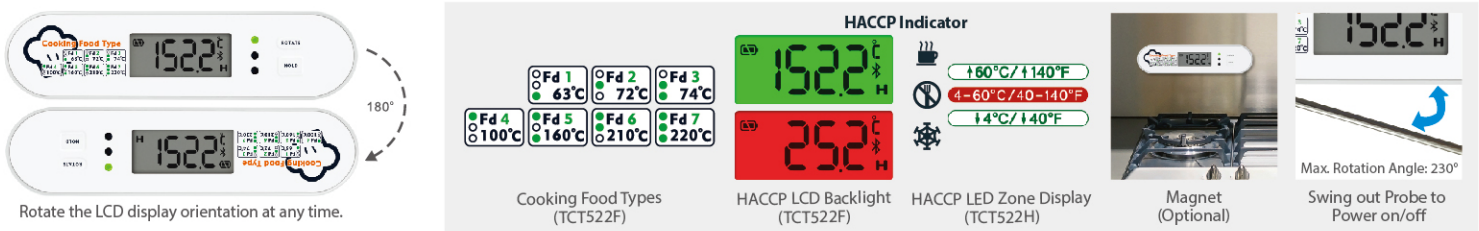
TCT522 Series

• HACCP • AUTO • Power • HVAC • Laboratory



TCT522H

- Cooking Food Types for kitchen measurement(TCT522F)
- HACCP Indicator
- LED Zone Display(TCT522H)
- 180° LCD Rotation Button
- 3 Sec. Fast Thermocouple Measurement
- IP67 Splash Proof Classification
- Magnet / Bluetooth(Optional)



	TCT522H	TCT522F
Description	Thermocouple Probe	
Measurement Range	-50~300°C(-58~572°F)	
Full Range Accuracy (Tamb=25°C)	-30~150°C: ±0.5°C/0.9°F, otherwise ±1°C/1.8°F or 1% of reading, whichever is greater	
Resolution	0.1°C / 0.1°F	
Response time(90%)	3 sec.	
Power Supply	AAA x 2	

Specifications are subject to change without notice

HACCP Thermometer

TCT783 Series

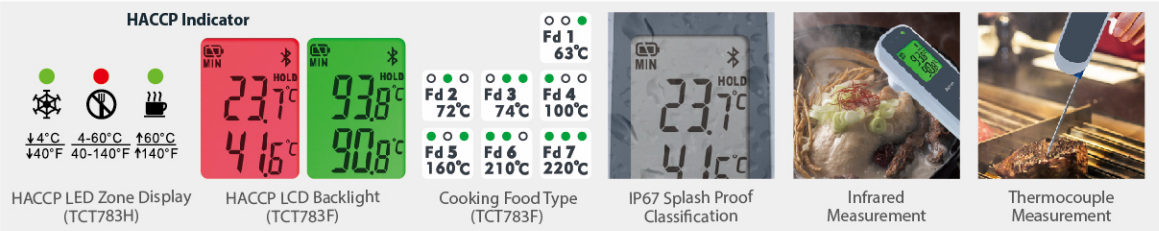


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TCT783H

- 2 in 1 design: Infrared + Foldable Thermocouple Probe
- Cooking Food Types for kitchen measurement(TCT783F)
- 3 Sec. Fast Thermocouple Measurement
- IP67 Splash Proof Classification
- HACCP Indicator
- Bluetooth(optional)



		TCT783H	TCT783F
Description		IRT + Thermocouple Probe	
Measurement Range	Infrared	-55~300°C(-67~572°F)	
	Thermocouple	K type, -55~300°C(-67~572°F)	
Infrared Accuracy (Tobj=15-35°C, Tamb=25°C)		+/-0.6°C(1.1°F)	
Infrared Accuracy (Tamb=23±3°C)		-55~0°C: +/- (1+0.1/degree)°C, 0~65°C: +/-1°C, 65~300°C: +/-1.5% of reading	
Thermocouple Accuracy		below -5°C: +/-1°C ; -5~ 65°C: +/-0.5°C ; above 65°C: +/-1% of reading	
Distance : Spot		2.5:1	
Emissivity Range		0.95 default, adjustable 0.1 to 1 step .01	
Resolution		0.2°C/0.5°F	
Mode		Max/Min, Lock, Haccp Check	
Power Supply		AAA x 2	

Specifications are subject to change without notice

HACCP Thermometer

TCT703 · TCT303 Series



• HACCP • AUTO • Power • HVAC • Laboratory

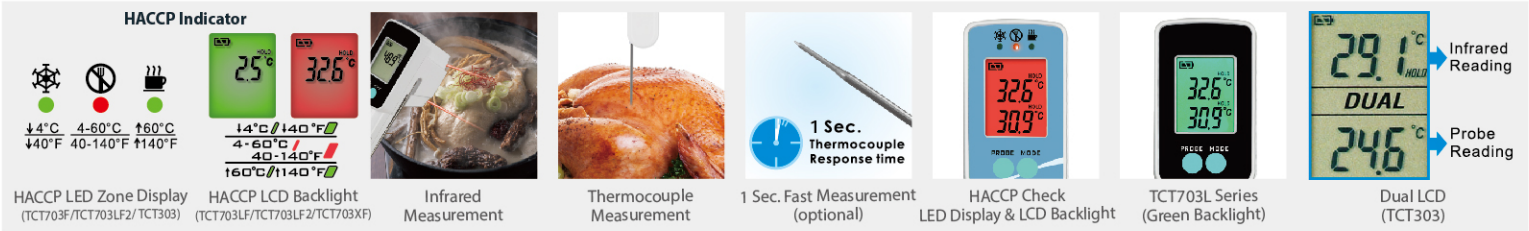


TCT703LF



TCT303F

- 2 in 1 design: Infrared + Foldable Thermocouple Probe
- 3 Sec. Fast Thermocouple Measurement
- IP Classification: IP54(TCT703 Series)/IP65(TCT303 Series)
- HACCP Indicator
- Bright White LED as pointer(TCT303 Series)



		TCT703	TCT303	TCT303F
Description		IRT + Thermocouple Probe, (E) with LED Flashlight (optional)		
Measurement Range	Infrared	-60~350°C(-76~662°F)	-55~250°C(-67~482°F)	
	Thermocouple	-60~350°C(-76~662°F)	-55~330°C(-67~626°F)	
Infrared Accuracy (Tamb=23±3°C)		-60~0°C: ±(1°C+0.1/°C)°C, 0~65°C: ±1°C, 65~350°C: ±1.5% of reading	±2% of reading or 2°C(4°F) whichever is greater	-33~0°C: ±(1°C+0.1/°C) °C, 0~65°C: ±1°C, 65~250°C: ±1.5% of reading
Thermocouple Accuracy		<-5°C : +/-1°C, -5~ 65 : +/-0.5°C >65°C : +/-1% of reading (Tamb=23±3°C)	±1% of reading or 0.8°C(1.5°F) whichever is greater (Tamb=23±6°C)	<-5°C: ±1°C, -5~65°C: ±0.5°C, >65°C: ±1% of reading (Tamb=23±3°C)
Distance : Spot		8:1	2.5:1	
Emissivity Range		0.95 default, adjustable 0.1 to 1 step .01		
Resolution		0.2°C/0.5°F, otherwise 1°C/1°F		
Mode		Max/Min, Lock, Haccp Check		
Power Supply		AAA x 2		

Specifications are subject to change without notice



Thermocouple Thermometer

TCT01 Series



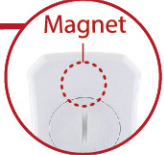
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- 3 Sec. Fast Thermocouple Measurement
- IP67 Splash Proof Classification
- HACCP Indicator: LED display(Green/Red)
- Auto Calibration
- Bright Amber Color Backlight
- Magnet Insert in Rear Cover



Attach to metal surface for easy storage
Magnet Insert in rear cover



	TCT011S	TCT012S
Description	Thermocouple Probe	
Measurement Range	-50~250°C(-58~482°F)	
Full Range Accuracy (Tamb=23±3°C)	-20~60°C(-4~140°F): ±0.5°C(0.9°F), other : ±0.8°C(1.5°F) or 0.8% of the reading	
Thermocouple	T type	
Resolution	0.1°C/0.1°F	
Power Supply	CR2032 x 1	

Specifications are subject to change without notice

Thermocouple Thermometer

TCT032 · TCT012 · TCT013 Series



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- IP65 Splash Proof Classification
- Compact Size K type Thermocouple Thermometer(TCT032/TCT012)
- Trimmer function(TCT032)
- Mini Size Socket to Fit with Various Probes(TCT013)
- Magnet Insert in Rear Cover(optional)



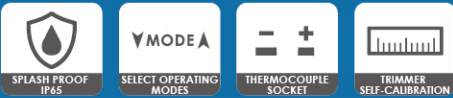
	TCT032	TCT012	TCT013K	TCT013T
Description	Thermocouple Probe			
Measurement Range	-50~350°C(-58~662°F)		K type, Socket: -64~1400°C(-83.2~1999°F)	T type, Socket: -50~350°C(-58~662°F)
Full Range Accuracy (Tamb=23±3°C)	±0.8% of reading or 0.8°C(1.5°F) whichever is greater		±1% of reading or 0.1°C(1.8°F) whichever is greater	
Resolution	0.1°C/0.1°F at -58~199.9(°C/°F), otherwise 1°C/1°F		0.1°C/0.1°F at -9.9~199.9(°C/°F), otherwise 1°C/1°F	
Power Supply	CR2032 x 1			

Specifications are subject to change without notice



Compact IR & Thermocouple Thermometer

TCT4 Series



• HACCP • AUTO • Laboratory



TCT401

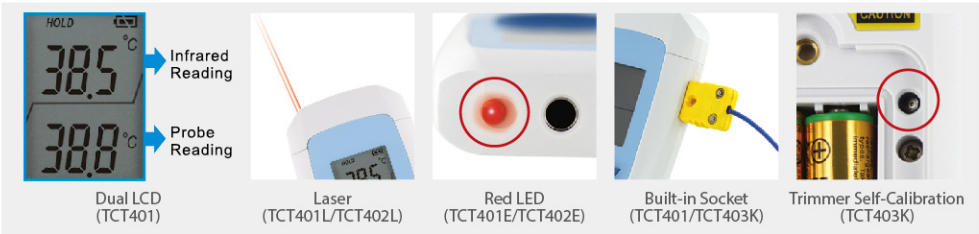


TCT402



TCT403K

- Mini Size Socket Fits with Various TC Probes (TCT401/TCT403K)
- Laser Sight Technology(TCT401/TCT402 optional)
- Red LED Flashlight when Press Scan Button (TCT401/TCT402 optional)
- IP65 Splash Proof Classification
- Trimmer function is used for self-calibration (TCT403K)



	TCT401	TCT402	TCT403K
Description	IRT + Thermocouple socket (L) with Laser (optional), (E) with Red LED Flashing (optional)		K type, Socket
Measurement Range	-50~350°C(-58~662°F)		
Full Range Accuracy (Tamb=23±3°C)	≥0°C: ±2% of reading or 2°C(4°F) whichever is greater <0°C: ±(2°C+0.05/°C)°C Thermocouple: ±1% of reading or 1°C(1.8°F) whichever is greater	≥0°C: ±2% of reading or 2°C(4°F) whichever is greater <0°C: ±(2°C +0.05/°C) °C	±1% of reading or 1°C(1.8°F) whichever is greater
Distance : Spot	1:1		—
Emissivity Range	0.95 default adjustable from 0.1 to 1 step .01		—
Resolution (-9.9~199.9°C/°F)	0.1°C/0.1°F, otherwise 1°C/1°F		
Mode	Max/Min, Lock		—
Power Supply	AAA x 2		

Specifications are subject to change without notice

Compact Infrared Thermometer

TN110M Series



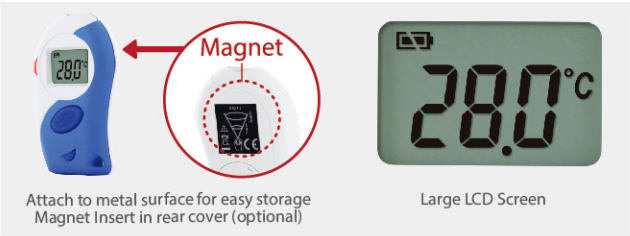
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TN110M



- Measuring Small Objects in Near Range
- Compact and Handy Design Size
- Various Applications in Household
- Magnet in Rear Cover for attaching to metal surface
- LCD Display & Auto Power Off



	TN110M
Description	IRT
Measurement Range	-33~220°C(-27.4~428°F)
Full Range Accuracy (Tamb=23±3°C)	±2.5% of reading or 2.5°C(4.5°F) whichever is greater
Distance: Spot	1:1
Emissivity Range	0.95 Fixed
Resolution	0.5°C/0.5°F at -9.9~199.9(°C/°F), otherwise 1°C/1°F
Mode	Clock
Power Supply	CR2032 x 1

Specifications are subject to change without notice

Compact Infrared Thermometer

TN205 · TN185 · TN105 Series

• HACCP • Household • HVAC • Laboratory • Power • AUTO • Hobby



TN205



TN185



Housing Color
● TN105C
● TN105i2
TN105J/TN105P

- Measuring Small Objects in Near Range
- Compact and Handy Design Size
- Various Applications in Household
- Adjustable Emissivity
- LCD Display & Auto Power Off



	TN205L	TN185	TN105C	TN105i2	TN105J	TN105P
Description	IRT					
Measurement Range	-55~250°C(-67~482°F)		-33~220°C(-27.4~428°F)			
Full Range Accuracy (Tamb=23±3°C)	±2% of reading or 2°C(4°F) whichever is greater	≥0°C: ±2% of reading or 2°C(4°F) whichever is greater <0°C: ±(2°C +0.05/°C) °C	±2% of reading or 2°C(4°F) whichever is greater			
Distance: Spot	6:1	5:1	1:1			
Emissivity Range	0.95 default adjustable from 0.05 to 1.00 step .01					
Resolution (-9.9~199.9°C/°F)	0.1°C/0.1°F, otherwise 1°C/1°F	0.1°C/0.1°F, otherwise 1°C/1°F (for thermometer); 0.01 sec (for Stop Watch)		0.1°C/0.1°F, otherwise 1°C/1°F		
Mode	Max / Min, Lock	Max, Min, Lock, Clock, Stopwatch, Foldable Stand, Ambient Display		Max / Min, Lock, Foldable Stand	Max / Min, Lock, Clip	Max / Min, Lock, Clock, Stopwatch
Power Supply	CR2032 x 1					

Specifications are subject to change without notice

Ultra / Compact Infrared Thermometer

TN00S · TN01S Series

• Aquarium • Household • Fishing • Laboratory • AUTO • HACCP



IP67
Splash Proof

TN00SK1
TN00SK2
TN00SKE



IP67
Splash Proof

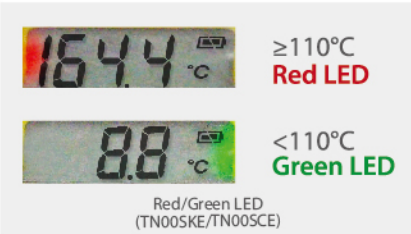
TN00SC1
TN00SC2
TN00SCE



IP67
Splash Proof

TN01SC1
TN01SC2
TN01SC3
*Battery: AAA x1

- Small Infrared Thermometer
- Measuring Small Objects in Near Range
- IP67 Splash Proof Classification
- ≥110°C Red LED, <110°C Green LED(TN00SKE/TN00SCE)
- °C/°F Switch Mode (except TN00SKE/TN00SCE)



	TN00SK1 / TN00SC1 / TN01SC1	TN00SK2 / TN00SC2 / TN01SC2	TN00SKE / TN00SCE	TN01SC3
Description	IRT			
Measurement Range	-33~110°C(-27.4~230°F)	-33~180°C(-27.4~356°F)	-55~220°C(-67~428°F)	
Full Range Accuracy (Tamb=23±3°C)	≥0°C: ±2.5% of reading or 2.5°C(4.5°F) whichever is greater <0°C: ±(2.5°C +0.05/°C) °C		≥0°C: ±2% of reading or 2°C(4°F) whichever is greater <0°C: ±(2°C +0.05/°C) °C	≥0°C: ±2.5% of reading or 2.5°C(4.5°F) whichever is greater <0°C: ±(2.5°C +0.05/°C) °C
Distance: Spot	1:1			
Emissivity Range	0.95 Fixed			
Resolution (-9.9~199.9°C/°F)	0.2°C/0.5°F, otherwise 1°C/1°F		0.1°C/0.1°F, otherwise 1°C/1°F	0.2°C/0.5°F, otherwise 1°C/1°F
Mode	°C/°F switchable; Either °C or °F (TN00SKE/TN00SCE)			
Power Supply	LR44 x 2(TN00S Series) ; AAA x 1(TN01S Series)			

Specifications are subject to change without notice

Ultra / Compact Infrared Thermometer

TN004 · TN005 · TN006 · TN007 Series

• HACCP • Household • Horticulture • HVAC • Laboratory • AUTO



TN004
TN006



TN005
TN007

- Worldwide Small Infrared Thermometer
- Measuring Small Objects in Near Range
- Compact and Handy Design Size
- Various Applications in Household
- LCD Display & Auto Power Off



Red LED Light
(TN005 / TN007)

	TN004	TN006	TN005	TN007
Description	IRT			
Measurement Range	-33~110°C(-27.4~230°F)	-33~180°C(-27.4~356°F)	-33~110°C(-27.4~230°F)	-33~180°C(-27.4~356°F)
Full Range Accuracy (Tamb=23±3°C)	±2.5% of reading or 2.5°C(4.5°F) whichever is greater			
Distance: Spot	1:1			
Emissivity Range	0.95 Fixed			
Resolution (-9.9~199.9°C/°F)	0.2°C/0.5°F, otherwise 1°C/1°F			0.1°C/0.1°F, otherwise 1°C/1°F
Mode	°C/°F switchable			
Power Supply	LR44 x 2			

Specifications are subject to change without notice

Ultra / Compact Infrared Thermometer

TN006C · TN008C Series

• HACCP • Aquarium • Household • HVAC • Laboratory • AUTO • Hobby



TN006C



Housing Color

- TN008C1
- TN008C2
- TN008Ci

- Worldwide Small Infrared Thermometer
- Measuring Small Objects in Near Range
- Compact and Handy Design Size
- Various Applications in Household
- LCD Display & Auto Power Off



Clip on Rear Housing
(TN006C)

	TN006C	● TN008C1	● TN008C2	● TN008Ci
Description	IRT			
Measurement Range	-33~220°C(-27.4~428°F)	-33~110°C(-27.4~230°F)	-33~180°C(-27.4~356°F)	-55~220°C(-67~428°F)
Full Range Accuracy (Tamb=23±3°C)	±2% of reading or 2°C(4°F) whichever is greater	≥0°C: ±2.5% of reading or 2.5°C(4.5°F) whichever is greater <0°C: ±(2.5°C + 0.05/°C)°C		≥0°C: ±2% of reading or 2°C(4°F) whichever is greater <0°C: ±(2°C + 0.05/°C)°C
Distance: Spot	1:1			
Emissivity Range	0.95 Fixed			
Resolution (-9.9~199.9°C/°F)	0.1°C/0.1°F, otherwise 1°C/1°F	0.2°C/0.5°F, otherwise 1°C/1°F		0.1°C/0.1°F, otherwise 1°C/1°F
Mode	°C/°F switchable			
Power Supply	LR44 x 2			

Specifications are subject to change without notice



Infrared Module | Available Probe

TN9 Series · K type & T type

• Process Control • HACCP • HVAC • Household



TN901



TN905-05F



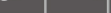
TN907



TN90A

	TN901	TN905-05F	TN907	TN90A
Description	Compact Digital Thermometer Module	Compact Digital Thermometer Module (with Thinner Mirror)		Compact Digital Thermometer Module
Measurement Range	-33~220°C(-27.4~428°F)	-33~350°C(-27.4~662°F)	-32~500°C(-25.6~932°F)	0~1000°C(32~1832°F)
Full Range Accuracy (Tamb=23±3°C)	±2%, 2°C	above 0°C: ±2%, ±2°C whichever is greater; below 0°C: ±(2+0.07/°C)°C		
Distance: Spot	1:1	5:1	25:1	50:1
Laser	—	—	1 point	2 point
Emissivity Range	0.95 default, 0.01~1 step .01			
Resolution	1/16 °C		0.1°C	

Specifications are subject to change without notice

Description	Product Photo Image	Measurement Range	Accuracy	Grounded	Response Time (in still water 90%)	Response Time (in still air 90%)	Diameter of the Probe Tip	Diameter of the Probe	Length of Probe	Length of Cable (from tip of plug)	Length of Cable / Max Length (from tip of plug)	Type of Extension Cable	Type of Plug	Material of Probe	Weight (no package)
SU (Surface)		-100~400°C (-148~752°F)	0.75%	Yes	NA	NA	K:15±0.1mm T:15mm	K:6.35±0.1mm T:6.3mm	K:165±1.0mm T:150+60mm	K:500±50mm T:720mm	K:1500mm T:720mm	K: Coiled	Miniature	SUS316 or SUS304	120±10g
PB (Penetration Bluted)				K: No T: Yes	K: 5 sec. T: NA		K:3.2±0.1mm T:3.2mm	K:3.2±0.1mm T:3.2mm	K:200±1.0mm T:200mm	K:740±50mm T:720mm	K:1740mm T:720mm				85±10g
PN (Penetration)							K:3.17±0.1mm T:3.2mm	K:3.17±0.1mm T:3.2mm	K:100±1.0mm T:100mm	K:740±50mm T:720mm	K:1740mm T:720mm				80±10g
AR (Air)				Yes	NA	K: 5 sec. T: NA	K:10.2±0.1mm T:10mm	K:8±0.1mm T:8mm	K:190±1.0mm T:155mm	K:550±50mm T:720mm	K:1600mm T:720mm	Straight			125±10g
Bead		-50~250°C (-58~482°F)		—	K: 2 sec. T: NA	NA	—	—	—	K:1000±10mm T:100mm	K:1000±10mm T:100mm	Straight		—	30±10g

K: K type T: T type Specifications are subject to change without notice

ZyTemp Family

	TIM038VL	TIM06V	TIM03V	TIM03
Meas. Range	-20~500°C(-4~932°F)		-20~350°C(-4~662°F)	-20~250°C(-4~482°F)
Infrared Accuracy	±2% of reading, or 2°C (4°F) whichever is greater			
Resolution	160 x 120(Thermal Image) 640 x 480(Visual Image)	60 x 40(Thermal Image) 640 x 480(Visual Image)	32 x 32(Thermal Image) 640 x 480(Visual Image)	32 x 31(Thermal Image)

	TN49ALA	TN49ALB	TN49RXG TN49RXC	TN49RXBG	TN49SLB	TN49SLC
Meas. Range	-60~760°C(-76~1400°F)	-60~1000°C(-76~1832°F)	-60~550°C(-76~1022°F)	-60~1000°C(-76~1832°F)	-60~760°C(-76~1400°F)	-60~550°C(-76~1022°F)
Full Range Accuracy	≥0°C: ±2% of reading or 2°C(4°F) whichever is greater <0°C: ±(2°C+0.05/°C)°C					
D : S	16:1	35:1	12:1	30:1		12:1

	TN568LC2	TN568LC1	TN768LB	TN768LC	TN768LD	TN758LC	TN758LB
Meas. Range	200~2400°C (392~4352°F)	100~1800°C(212~3272°F)		-35~1500°C (-31~2732°F)	-60~1500°C (-76~2732°F)	-35~1600°C (-31~2912°F)	100~2000°C (212~3632°F)
Full Range Accuracy	±2% of reading			≥0°C: ±2% of reading or 2°C(4°F) whichever is greater <0°C: ±(2°C+0.05/°C)°C	±2% of reading or 2°C(4°F) whichever is greater	≥0°C: ±2% of reading or 2°C(4°F) whichever is greater <0°C: ±(2°C+0.05/°C)°C	±2% of reading
D : S	100:1		75:1		50:1	60:1	75:1

	TN475LC	TN425LN	TN425LB	TN425LA	TN425LM	TN425LC	TN425L
Meas. Range	-60~1600°C(-76~2912°F)	-60~1500°C(-76~2192°F)		-60~1200°C(-76~2192°F)	-60~1000°C(-76~1832°F)		
Full Range Accuracy	≥0°C: ±2% of reading or 2°C(4°F) whichever is greater <0°C: ±(2°C+0.05/°C)°C	Tobj:-33~1500°C: ±2% of reading or 2°C(4°F) whichever is greater		Tobj:-33~1200°C: ±2% of reading or 2°C(4°F) whichever is greater	Tobj:-33~1000°C: ±2% of reading or 2°C(4°F) whichever is greater		
D : S	75:1	50:1					

	TN423LA	TN423LB	TN423LC	TN499LB / TN498LB TN497LB / TN496LB	TN498LD / TN497LD / TN496LD	TN499LC / TN498LC TN497LC / TN496LC
Meas. Range	-60~1500°C(-76~2732°F)	-60~1000°C(-76~1832°F)	-60~860°C(-76~1580°F)	-60~760°C(-76~1400°F)	-60~625°C(-76~1157°F)	-60~550°C(-76~1022°F)
Full Range Accuracy	Tobj:-33~1500°C: ±2% of reading or 2°C(4°F) whichever is greater	Tobj:-33~1000°C ±2% of reading or 2°C(4°F) whichever is greater	Tobj:-33~860°C: ±2% of reading or 2°C(4°F) whichever is greater	≥0°C: ±2% of reading or 2°C(4°F) whichever is greater <0°C: ±(2°C+0.05/°C)°C		
D : S	35:1		30:1	30:1	16:1	12:1

	TN43PL2 TN43SL2	TN43PL1 TN43SL1	TN418LD TN410LD	TN418LB TN410LB	TN418LA TN410LA	TN418L9 TN410L9
Meas. Range	-60~550°C(-76~1022°F)	-50~460°C(-58~860°F)	-60~625°C(-76~1157°F)	-60~760°C(-76~1400°F)		
Full Range Accuracy	≥0°C: ±2% of reading or 2°C(4°F) whichever is greater <0°C: ±(2°C+0.05/°C)°C	≥0°C: ±2.5% of reading or 2.5°C(4.5°F) whichever is greater <0°C: ±(2.5°C+0.05/°C)°C	≥0°C: ±2% of reading or 2°C(4°F) whichever is greater <0°C: ±(2°C+0.05/°C)°C	Tobj:-33~760°C: ±2% of reading or 2°C(4°F) whichever is greater		
D : S	12:1		16:1	30:1	16:1	12:1

ZyTemp Family

	TN418LC TN410LC	TN418L2 TN410L2	TN418L3 TN410L3	TN418L1/TN418LOY TN410L3	TN418LOZ
Meas. Range	-60~500°C (-76~932°F)	-60~625°C (-76~1157°F)	-60~500°C (-76~932°F)		-60~550°C (-76~1022°F)
Full Range Accuracy	Tobj:-33~500°C: ±2% of reading or 2°C(4°F) whichever is greater	≥0°C: ±2% of reading or 2°C(4°F) whichever is greater <0°C: ±(2°C+0.05/°C)°C	Tobj:-33~500°C: ±2% of reading or 2°C(4°F) whichever is greater	≥0°C: ±2.5% of reading or 2.5°C(4.5°F) whichever is greater <0°C: ±(2.5°C+0.05/°C)°C	
D : S	12:1	16:1	12:1		15:1

	TN41ALB	TN41ALC	TN41ALD	TN41AL3
Meas. Range	-60~760°C (-76~1400°F)	-60~500°C (-76~932°F)	-60~625°C (-76~1157°F)	-60~500°C (-76~932°F)
Full Range Accuracy	≥0°C: ±2% of reading or 2°C(4°F) whichever is greater <0°C: ±(2°C+0.05/°C)°C			
D : S	30:1	12:1	16:1	12:1

	TN436LD	TN430LC	TN430L2 TN436L2	TN430L1 TN436L1	TN430L0 TN436L0	TN433L0 TN43CL0	TN433L1 TN43CL1	TN433L2 TN43CL3
Meas. Range	-60~625°C(-76~1157°F)	-60~550°C(-76~1022°F)		-50~460°C(-58~860°F)		-38~365°C(-36.4~689°F)		-50~460°C(-58~860°F)
Full Range Accuracy	≥0°C: ±2% of reading or 2°C(4°F) whichever is greater <0°C: ±(2°C+0.05/°C)°C			≥0°C: ±2.5% of reading or 2.5°C(4.5°F) whichever is greater <0°C: ±(2.5°C+0.05/°C)°C				≥0°C: ±2% of reading or 2°C(4°F) whichever is greater <0°C: ±(2°C+0.05/°C)°C
D : S	16:1	12:1						

	TCT70MF	TCT522	TCT783	
Meas. Range	-30~250°C (-22~482°F)	-50~300°C (-58~572°F)	Infrared: -55~300°C (-67~572°F)	Thermocouple: -35~275°C (-31~527°F)
Full Range Accuracy	-30~0°C: ±(1°C+0.1/degree), 0~ 65°C: ±1°C, 65~250°C: ±1.5% of reading	-30~150°C: ±0.5°C/0.9°F, otherwise ±1°C/1.8°F or 1% of reading, whichever is greater	-55~0: +/- (1°C+0.1/degree), 0~65: +/- 1°C, 65~250: +/-1.5% of reading	<-5°C: +/- 1°C, -5~ 65°C: +/-0.5°C, >65°C: +/-1% of reading
D : S	8:1		2.5:1	

	TCT703		TCT303		TCT303F	
Meas. Range	Infrared: -60~350°C (-76~662°F)	Thermocouple: -60~350°C (-76~662°F)	Infrared: -55~250°C (-67~482°F)	Thermocouple: -55~330°C (-67~626°F)	Infrared: -55~250°C (-67~482°F)	Thermocouple: -55~330°C (-67~626°F)
Full Range Accuracy	-60~0°C: ±(1°C+0.1/°C)°C, 0~65°C: ±1°C, 65~350°C: ±1.5% of reading	<-5°C: ±1°C, -5~65°C: ±0.5°C, >65°C: ±1% of reading	±2% of reading or 2°C(4°F) whichever is greater	±1% of reading or 0.8°C(1.5°F) whichever is greater	-33~0°C: ±(1°C+0.1/°C) °C, 0~65°C: ±1°C, 65~250°C: ±1.5% of reading	<-5°C: ±1°C, -5~65°C: ±0.5°C, >65°C: ±1% of reading
D : S	8:1		2.5:1			

	TCT011S	TCT012S	TCT032	TCT012	TCT013	
Meas. Range	-50~250°C(-58~482°F)		-50~350°C(-58~662°F)		K type, Socket: -64~1400°C(-83.2~1999°F)	T type, Socket: -50~350°C(-58~662°F)
Full Range Accuracy	-20~60°C: ±0.5°C(0.9°F), other : ±0.8°C (1.5°F) or 0.8% of the reading		±0.8% of reading or 0.8°C(1.5°F) whichever is greater		±1% of reading or 0.1°C(1.8°F) whichever is greater	
D : S	—					

ZyTemp Family

	TCT401	TCT402	TCT403K
Meas. Range	Infrared/Thermocouple: -50~350°C (-58~662°F)		Thermocouple: -50~350°C (-58~662°F)
Full Range Accuracy	Infrared: ≥0°C: ±2% of reading or 2°C(4°F) whichever is greater <0°C: ±(2°C+0.05/°C)°C Thermocouple: ±1% of reading or 1°C(1.8°F) whichever is greater		≥0°C: ±2% of reading or 2°C(4°F) whichever is greater <0°C: ±(2°C+0.05/°C)°C
D : S	1:1		

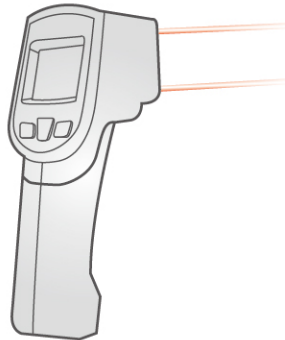
	TN110M	TN205	TN185	TN105C	TN105i2	TN105J	TN105P
Meas. Range	-33~220°C(-27.4~428°F)	-55~250°C(-67~482°F)			-33~220°C(-27.4~428°F)		
Full Range Accuracy	±2.5% of reading or 2.5°C(4.5°F) whichever is greater	±2% of reading or 2°C(4°F) whichever is greater	≥0°C: ±2% of reading or 2°C(4°F) whichever is greater <0°C: ±(2°C +0.05/°C) °C	±2% of reading, or 2°C (4°F) whichever is greater			
D : S	1:1	6:1	5:1	1:1			

	TN00SK1/ TN00SC1 TN01SC1	TN00SK2/ TN00SC2 TN01SC2	TN00SKE/ TN00SCE TN01SC3	TN004/ TN005	TN006/ TN007
Meas. Range	-33~110°C(-27.4~230°F)	-33~180°C(-27.4~356°F)	-55~220°C(-67~428°F)	-33~110°C(-27.4~230°F)	-33~180°C(-27.4~356°F)
Full Range Accuracy	≥0°C: ±2.5% of reading or 2.5°C(4.5°F) whichever is greater <0°C: ±(2.5°C +0.05/°C)°C		≥0°C: ±2% of reading or 2°C(4°F) whichever is greater <0°C: ±(2°C +0.05/°C) °C	±2.5% of reading, or 2.5°C (4.5°F) whichever is greater	
D : S	1:1				

	TN006C	TN008C1	TN008C2	TN008Ci
Meas. Range	-33~220°C (-27.4~428°F)	-33~110°C (-27.4~230°F)	-33~180°C (-27.4~356°F)	-55~220°C (-67~428°F)
Full Range Accuracy	±2% of reading or 2°C(4°F) whichever is greater		≥0°C: ±2.5% of reading or 2.5°C(4.5°F) whichever is greater <0°C: ±(2.5°C +0.05/°C)°C	≥0°C: ±2% of reading or 2°C(4°F) whichever is greater <0°C: ±(2°C +0.05/°C) °C
D : S	1:1			

	TN901	TN905-05F	TN907	TN90A
Meas. Range	-33~220°C (-27.4~428°F)	-33~350°C (-27.4~662°F)	-32~500°C (-25.6~932°F)	0~1000°C (32~1832°F)
Full Range Accuracy	±2%, 2°C		≥0°C: ±2%, ±2°C whichever is greater; <0°C: ±(2+0.07/°C)°C	
D : S	1:1	5:1	25:1	50:1

DUAL LASER

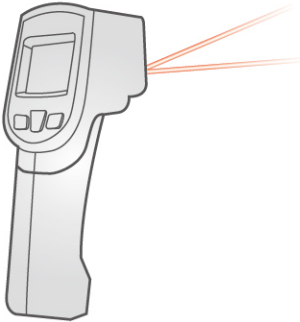


Dual Laser

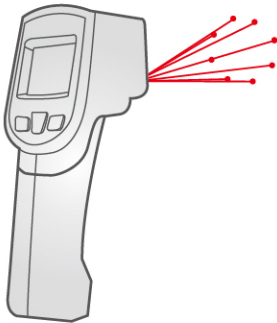
SINGLE LASER



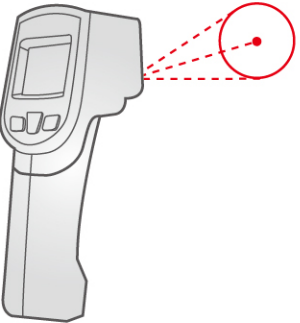
Single Beam Laser



Dual Beam Laser
(Model with Y/Z)

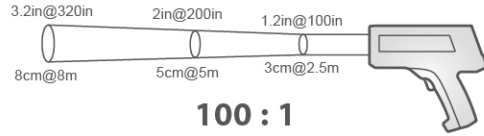


8 Beam Laser
(Model with X)

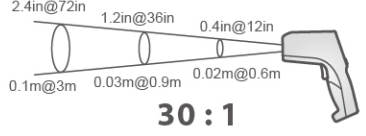


Circle Laser
(Model with H)

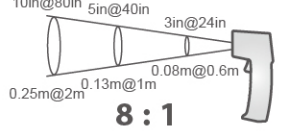
DISTANCE:SPOT



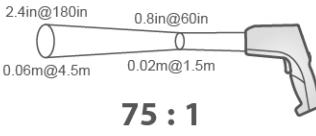
100 : 1



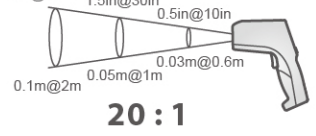
30 : 1



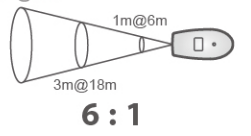
8 : 1



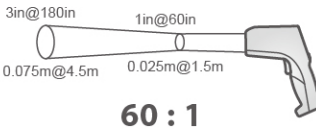
75 : 1



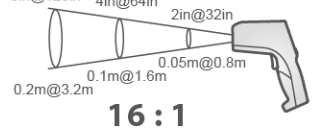
20 : 1



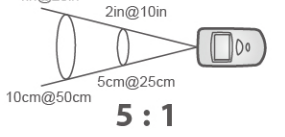
6 : 1



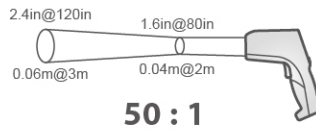
60 : 1



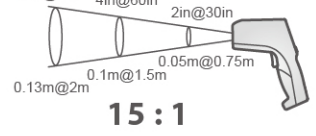
16 : 1



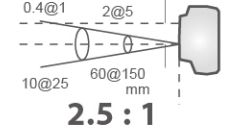
5 : 1



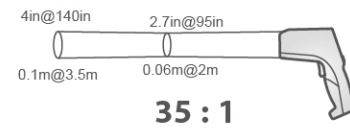
50 : 1



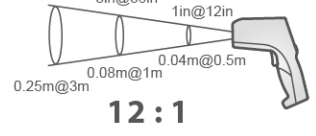
15 : 1



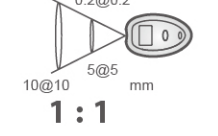
2.5 : 1



35 : 1



12 : 1



1 : 1

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