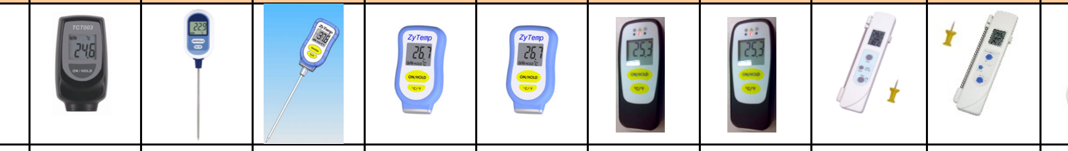
Model No	TN002C//TN002Ci	TN002K//TN002Ki	TN006C	TN00SKE	TN00SK1//TN00SK2	TN00SCE	TN00SC1//TN00SC2	TN008Ci	TN008C1
Photo									
Description	Ultra Compact IRT for Gift market	Ultra Compact IRT for Gift market	Ultra Compact IRT for Gift market	Ultra Compact IRT with IP67 and Hi/Lo LED	Ultra Compact IRT with IP67	Ultra Compact IRT with IP67 and Hi/Lo LED	Ultra Compact IRT with IP67	Ultra Compact IRT	Ultra Compact IRT
#FFP:=Feature for Promotion	COMP0	COMP0	COMP0	COMP0	COMP0	COMP0	COMP0	COMP0	COMP0
Measurement Range(IRT)	-33~110//-33~220°C -27~230//-27~428°F	-33~110//-33~220°C -27~230//-27~428°F	-33~220°C -27~428°F	-55~220°C -67~428°F	-33~110//-33~180°C -27~230//-27~356°F	-55~220°C -67~428°F	-33~110//-33~180°C -27~230//-27~356°F	-55~220°C -67~428°F	-33~110°C -27~230°F
Operating 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	0~50°C 32~122°F	0~50°C 32~122°F	0~50°C 32~122°F	0~50°C 32~122°F	0~50°C 32~122°F
IRT Accuracy, Tobj=15-35°C Tamb=25°C	+/-1°C	+/-1°C	+/-1°C	+/-1°C	+/-1°C	+/-1°C	+/-1°C	+/-1°C	+/-1°C
IRT Accuracy (Tamb=23+/-3degC)	+/-2.5%, 2.5°C // +/-2%,2°C	+/-2.5%, 2.5°C // +/-2%,2°C	+/-2%,2°C	-55~0: +/-(2° C+0.05/degree) others: +/-2C or 2%	-33~0: +/-(2.5° C+0.05/degree) others: +/-2.5C or 2.5%	-55~0: +/-(2° C+0.05/degree) others: +/-2C or 2%	-33~0: +/-(2.5° C+0.05/degree) others: +/-2.5C or 2.5%	-55~0: +/-(2° C+0.05/degree) others: +/-2C or 2%	-33~0: +/-(2.5° C+0.05/degree) others: +/-2.5C or 2.5%
Resolution (at -9.9~199.9°C/°F #RE)	0.2°C/0.5°F// 0.1°C/0.1°F	0.2°C/0.5°F// 0.1°C/0.1°F	0.1°C/0.1°F	0.1°C/0.1°F	0.2°C/0.5°F	0.1°C/0.1°F	0.2°C/0.5°F	0.1°C/0.1°F	0.2°C/0.5°F
Repeatability 25°C#RP	0.2°C	0.2°C	0.2°C	0.2°C	0.2°C	0.2°C	0.2°C	0.2°C	0.2°C
Repeatability 80°C	0.5°C	0.5°C	0.5°C	0.5°C	0.5°C	0.5°C	0.5°C	0.5°C	0.5°C
Standard COC Point	0,100°C	0,100°C	0,100°C	0,100°C	0,100°C	0,100°C	0,100°C	0,100°C	0,100°C
Response Time (90%) #RTI	1sec	1sec	1sec	1sec	1sec	1sec	1sec	1sec	1sec
D:S	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1
Emissivity	0.95 fixed	0.95 fixed	0.95 fixed	0.95 fixed	0.95 fixed	0.95 fixed	0.95 fixed	0.95 fixed	0.95 fixed
Update Frequency(about)	~1Hz	~1Hz	~1Hz	~1Hz	~1Hz	~1Hz	~1Hz	~1Hz	~1Hz
Dimension [mm]	86.5*19.4*14.8mm	92.7*15.6*14.8mm	83.3*19.1*33.5mm	Ø17.9*82mm	Ø17.9*82mm	Ø 17.9*23.53*83mm	Ø 17.9*23.53*83mm	Ø17*20.0*86.0mm	Ø17*20.0*86.0mm
Dimension [inch]	3.4"*0.8"*0.6"	3.6"*0.6"*0.6"	3.3"*0.75"*1.3"	Ø0.7"*3.22"	Ø0.7"*3.22"	Ø0.7"*0.92"*3.22"	Ø0.7"*0.92"*3.22"	Ø0.6"*0.7"*3.3"	Ø0.6"*0.7"*3.3"
Wave Length	5-14um	5-14um	5-14um	5-14um	5-14um	5-14um	5-14um	5-14um	5-14um
Weight (with battery) [g/oz]	39.5g/1.39oz	38.5g/1.35oz	19.5g/0.7oz	21.0g/0.74oz	21.0g/0.74oz	22.0g/0.77oz	22.0g/0.77oz	23.0g/0.8oz	23.0g/0.8oz
Weight (no battery) [g/oz]	35.7g/1.26oz	34.7g/1.22oz	15.5g/0.6oz	17.0g/0.6oz	17.0g/0.6oz	18.0g/0.63oz	18.0g/0.63oz	19.2g/0.6oz	19.2g/0.6oz
Thermocouple Probe:	NA	NA	NA	NA	NA	NA	NA	NA	NA
Measurement Range (for TN3 TN4: Warning: the actual range depends on the probe spec)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Accuracy of Thermocouple(Tamb=23+/-6degC)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Repeatability 25°C#RP	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thermocouple Auto PowerOff	NA	NA	NA	NA	NA	NA	NA	NA	NA
Probe Response Time (90%, in still water)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mode	NA	NA	NA	NA	NA	NA	NA	NA	NA
Power Supply	LR44x2	LR44x2	LR44x2	LR44x2	LR44x2	LR44x2	LR44x2	LR44x2	LR44x2
Battery Life,Typical #BL#BW	30hr	30hr	30hr	16hr	30hr	16hr	30hr	16hr	30hr
?Battery Life [day] @ 4min/day	450	450	450	250	450	250	450	450	450
!Battery Life, Min	20hr	20hr	20hr	14hr	20hr	14hr	20hr	20hr	20hr
Special Features	Pen Clip	Key Chain	Pen Clip	Key chain//IP67	Key chain//IP67	Pen Clip//IP67	Pen Clip//IP67	Pen Clip	Pen Clip
Options:									
ColorBox Dim. #n	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
G.W.(ColorBox)#n	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Blister Dimension	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
G.W. (Blister)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MetalBox Dimension	103*82*20mm	103*82*20mm	N/A	N/A	N/A	N/A	N/A	N/A	N/A
G.W. (MetalBox)	111.4g	110.4g	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Model No	TN008C2	TN007i	TN004//TN006	TN00W	TN01U	TN110	TN105i2	TN105J	TN105c
Photo									
Description	Ultra Compact IRT	Ultra Compact IRT for Gift market	Ultra Compact IRT for Gift market	Ultra Compact IRT for Gift market	Close Focus small spot size IRT	Compact IRT for Consumer	Compact IRT for Industry	Compact IRT for Industry	IRT+Clock+Stop watch+Room temp
#FFP:=Feature for Promotion	COMP0	Red Torch	COMP0	COMP0	Dual lasers	COMP1	COMP1	COMP1	RTC
Measurement Range(IRT)	-33~180°C -27~356°F	-33~220°C -27~428°F	-33~110//-33~180°C -27~230//-27~356°F	-33~110 -27~230	-55~220°C -67~428°F	-33~220°C -27~428°F	-33~220°C -27~428°F	-33~220°C -27~428°F	-55~220°C -67~428°F
Operating 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	-10~50°C 14~122°F	0~50°C 32~122°F	-10~50°C 14~122°F	-10~50°C 14~122°F	-10~50°C 14~122°F
IRT Accuracy, Tobj=15-35°C Tamb=25°C	+/-1°C	+/-1°C	+/-1°C	+/-1°C	+/-0.6°C	+/-1°C	+/-0.6°C	+/-0.6°C	+/-0.6°C
IRT Accuracy (Tamb=23+/-3degC)	-33~0: +/-(2.5° C+0.05/degree) others: +/-2.5C or 2.5%	+/-2%,2°C	+/-2.5%, 2.5°C	Above 0°C:+/- 2%,2°C -33~ 0°C:+/- (2+0.05/deg)C	-55~0: +/-(2° C+0.05/degree) others: +/-2C or 2%	+/-2.5%, 2.5°C	+/-2%,2°C	+/-2%,2°C	+/-2%,2°C
Resolution (at -9.9~199.9°C/°F #RE)	0.2°C/0.5°F	0.1°C/0.1°F	0.2°C/0.5°F	0.2°C/0.5°F	0.1°C/0.1°F	0.5°C/0.5°F	0.1°C/0.1°F	0.1°C/0.1°F	0.1°C/0.1°F
Repeatability 25°C#RP	0.2°C	0.2°C	0.2°C	0.2°C	0.1°C	0.5°C	0.1°C	0.1°C	0.1°C
Repeatability 80°C	0.5°C	0.5°C	0.5°C	0.5°C	0.5°C	1°C	0.5°C	0.5°C	0.5°C
Standard COC Point	0,100°C	0,100°C	0,100°C	0,100°C	0,100°C	0,100°C	0,100°C	0,100°C	0,100°C
Response Time (90%) #RTI	1sec	1sec	1sec	1sec	1sec	1sec	1sec	1sec	1sec
D:S	1:1	1:1	1:1	1:1	Distance 18mm Spot 2.5mm	1:1	1:1	1:1	1:1
Emissivity	0.95 fixed	0.95 fixed	0.95 fixed	0.95 fixed	0.05~1 Step.01	0.95 fixed	0.05~1 Step.01	0.05~1 Step.01	0.05~1 Step.01
Update Frequency(about)	~1Hz	~1Hz	~1Hz	~1Hz	~1Hz	1Hz	1.4Hz	1.4Hz	1.4Hz
Dimension [mm]	Ø17*20.0*86.0mm	83.3*19.1*33.5mm	83.3*19.1*19.1mm	137.69*16.4*17.9mm	171.2*41.1*27mm	17*47*71mm	18*36.6*67.8mm	18*36.6*67.8mm	18.0x36.6x67.8mm
Dimension [inch]	Ø0.6"*0.7"*3.3"	3.3"*0.75"*1.3"	3.3"*0.75"*0.75"	3.3"*0.75"*0.75"	6.74"*1.61"*1.06"	0.7"*1.9"*2.8"	0.7"*1.4"*2.7"	0.7"*1.4"*2.7"	0.7"*1.4"*2.7"
Wave Length	5-14um	5-14um	5-14um	5-14um	5-14um	5-14um	5-14um	5-14um	5-14um
Weight (with battery) [g/oz]	23.0g/0.8oz	21g/0.74oz	17g/0.6oz	30.5g/1.07oz	125g/4.4oz	33g/1.2oz	32g/1.1oz	32g/1.1oz	32g/1.1oz
Weight (no battery) [g/oz]	19.2g/0.6oz	17g/0.6oz	13g/0.5oz	28.8g/1.01oz	102.5g/3.61oz	30g/1.1oz	29g/1.0oz	29g/1.0oz	29g/1.0oz
Thermocouple Probe:	NA	NA	NA	NA	NA	NA	NA	NA	NA
Measurement Range (for TN3 TN4: Warning: the actual range depends on the probe spec)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Accuracy of Thermocouple(Tamb=23+/-6degC)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Repeatability 25°C#RP	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thermocouple Auto PowerOff	NA	NA	NA	NA	NA	NA	NA	NA	NA
Probe Response Time (90%, in still water)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mode	NA	NA	NA	NA	RTMax,Lock	NA	Max,Min,Lock	Max,Min,Lock	Max,Min,Lock
Power Supply	LR44x2	LR44x2	LR44x2	LR44x2	AAAx2	CR2032x1	CR2032x1	CR2032x1	CR2032x1
Battery Life,Typical #BL#BW	30hr	10hr	30hr	30hr	18hr	40hr	40hr	40hr	40hr **ShelfLife=8mon**
?Battery Life [day] @ 4min/day	450	150	450	450		500	500	500	500
!Battery Life, Min	20hr	7hr	20hr	20hr	15hr	30hr	30hr	30hr	30hr
Special Features	Pen Clip	red LED	Key chain	Clip	Dual lasers for focusing	Clock(pm)	Foldable Stand	Metal Clip	Clock(24hr), Ambient Temp, Stop Watch.
Options:									
ColorBox Dim. #n	N/A	N/A	N/A	N/A	224*128*58mm	120*80*36mm	120*80*36mm	120*80*36mm	120*80*36mm
G.W.(ColorBox)#n	N/A	N/A	N/A	N/A	225g	63.2g	64g	64g	64g
Blister Dimension	N/A	N/A	N/A	N/A	231*135*33mm	N/A	154*134*28mm	154*134*28mm	154*134*28mm
G.W. (Blister)	N/A	N/A	N/A	N/A	157g	N/A	70.1g	70.1g	70.1g
MetalBox Dimension	N/A	N/A	N/A	N/A	N/A	N/A	107*85*23mm	107*85*23mm	107*85*23mm
G.W. (MetalBox)	N/A	N/A	N/A	N/A	N/A	N/A	117.2g	117.2g	117.2g

Model No	TN105B	TN110rb	TN102B	TN102	TN159	TN103/TN104	TN153	TN15A	TN185
Photo									
Description	IRT+RealTimeMax+BarDisplay+Stopwatch+Room temp	Compact IRT for Industry	IRT+RealTimeMax+BarDisplay+Stopwatch+Room temp	Compact IRT for Consumer	Compact IRT for Consumer	Compact IRT for Consumer	Compact IRT for Industry	Compact IRT for Industry	IRT+Clock+Stop watch+Room temp
#FFP:=Feature for Promotion	BarDi	Rubber boot	BarDi	Red Torch	COMP1	Rubber grip	COMP1	COMP1	RTC
Measurement Range(IRT)	-55~220°C -67~428°F	-33~220°C -27~428°F	-55~220°C -67~428°F	-55~220°C -67~428°F	-55~220°C -67~428°F	-55~220°C -67~428°F	-55~220°C -67~428°F	-55~220°C -67~428°F	-55~250°C -67~482°F
Operating Range	-10~50°C 14~122°F	0~50°C 32~122°F	-10~50°C 14~122°F	-10~50°C 14~122°F	-10~50°C 14~122°F	-10~50°C 14~122°F	-10~50°C 14~122°F	-10~50°C 14~122°F	-10~50°C 14~122°F
IRT Accuracy, Tobj=15-35°C Tamb=25°C	+/-0.6°C	+/-1°C	+/-0.6°C	+/-0.6°C	+/-0.6°C	+/-0.6°C	+/-0.6°C	+/-0.6°C	+/-0.6°C
IRT Accuracy (Tamb=23+/-3degC)	+/-2%,2°C	+/-2.5%, 2.5°C	+/-2%,2°C #Acm (-33~220°C)	+/-2%,2°C#Acm (-33~220°C)	+/-2%,2°C#Acm (-33~220°C)	+/-2%,2°C#Acm (-33~220°C)	+/-2%,2°C #Acm (-33~220°C)	+/-2%,2°C #Acm (-33~220°C)!	Above 0°C:+/- 2%,2°C -55~ 0°C:+/- (2+0.05/deg)C
Resolution (at -9.9~199.9°C/°F #RE)	0.1°C/0.1°F	0.5°C/0.5°F	0.1°C/0.1°F	0.1°C/0.1°F	0.1°C/0.1°F	0.1°C/0.1°F	0.1°C/0.1°F	0.1°C/0.1°F	0.1°C/0.1°F
Repeatability 25°C#RP	0.1°C	0.5°C	0.1°C	0.1°C	0.1°C	0.1°C	0.1°C	0.1°C	0.1°C
Repeatability 80°C	0.5°C	1°C	0.5°C	0.5°C	0.5°C	0.5°C	0.5°C	0.5°C	0.5°C
Standard COC Point	0,100°C	0,100°C	0,100°C	0,100°C	0,100°C	0,100°C	0,100°C	0,100°C	0,100°C
Response Time (90%) #RTI	1sec	1sec	1sec	1sec	1sec	1sec	1sec	1sec	1sec
D:S	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	5:1
Emissivity	0.05~1 Step.01	0.95 fixed	0.05~1 Step.01	0.05~1 Step.01	0.05~1 Step.01	0.05~1 Step.01	0.05~1 Step.01	0.05~1 Step.01	0.05~1 Step.01
Update Frequency(about)	1.4Hz	1Hz	1.4Hz	1.4Hz	1.4Hz	1.4Hz	1.4Hz	1.4Hz	1.4Hz
Dimension [mm]	18*36.6*67.8mm	17*47*71mm	70.5*47.5*18.7mm	70.5*47.5*18.7mm	93.5*35.6*24.6mm	75.4*48.5*24.5mm	76.8*39.0*19.3mm	21.96*39.43*115mm	20.12x42.0x74.73mm
Dimension [inch]	0.7"*1.4"*2.7"	0.7"*1.9"*2.8"	2.8"*1.9"*0.7"	2.8"*1.9"*0.7"	3.7"*1.4"*1.0"	3.0"*1.9"*1.0"	3.0"*1.5"*0.75"	0.9"*1.6"*4.5"	0.8"*1.65"*2.94"
Wave Length	5-14um	5-14um	5-14um	5-14um	5-14um	5-14um	5-14um	5-14um	5-14um
Weight (with battery) [g/oz]	32g/1.1oz	33g/1.2oz	32g/1.1oz	32g/1.1oz	34.7g/1.2oz	42.3g/1.5oz	30.5g/1.1oz	40.4g/1.4oz	28.5g/1.0oz
Weight (no battery) [g/oz]	29g/1.0oz	30g/1.1oz	29g/1.0oz	29g/1.0oz	31.7g/1.1oz	39.3g/1.4oz	27.5g/1.0oz	37.4g/1.3oz	25.5g/0.09oz
Thermocouple Probe:	NA	NA	NA	NA	NA	NA	NA	NA	NA
Measurement Range (for TN3 TN4: Warning: the actual range depends on the probe spec)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Accuracy of Thermocouple(Tamb=23+/-6degC)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Repeatability 25°C#RP	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thermocouple Auto PowerOff	NA	NA	NA	NA	NA	NA	NA	NA	NA
Probe Response Time (90%, in still water)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mode	RealTimeMax	NA	RealTimeMax	Max,Min,Lock	Max,Min,Lock	Max,Min,Lock	Max,Min,Lock	Max,Min,Lock	Max,Min,Lock
Power Supply	CR2032x1	CR2032x1	CR2032x1	CR2032x1	CR2032x1	CR2032x1	CR2032x1	CR2032x1	CR2032x1
Battery Life,Typical #BL#BW	40hr **ShelfLife=8mon**	40hr	20hr	20hr	40hr	40hr	40hr	40hr	40hr **ShelfLife=8mon**
?Battery Life [day] @ 4min/day	500	500	250	250	500	500	500	500	500
!Battery Life, Min	30hr	30hr	15hr	15hr	30hr	30hr	30hr	30hr	30hr
Special Features	Ambient Temp, Stop Watch, RealTimeMax, BarDisplay	Clock(pm)	Ambient Temp, Stop Watch, RealTimeMax, BarDisplay	LED Lamp					Clock(24hr), Ambient Temp, Stop Watch.
Options:									
ColorBox Dim. #n	120*80*36mm	120*80*36mm	120*80*36mm	120*80*36mm	120*80*36mm	N/A	120*80*36mm	168*108*48mm	120*80*36mm
G.W.(ColorBox)#n	64g	63.2g	70g	70g	69.6g	N/A	71.6g	127.3g	60.5g
Blister Dimension	154*134*28mm	N/A	194*120*25.5mm	194*120*25.5mm	194*120*32mm	194*120*31.6mm	194*120*26mm	194*120*38mm	154*134*28mm
G.W. (Blister)	70.1g	N/A	72g	72g	158.2g	100g	158.2g	96.1g	66.6g
MetalBox Dimension	107*85*23mm	N/A	107*85*23mm	107*85*23mm	87*122*32mm	N/A	N/A	N/A	N/A
G.W. (MetalBox)	117.2g	N/A	124.2g	124.2g	138.7g	N/A	N/A	N/A	N/A

Model No	TN168C1/TN168C2	TN168Ci	TN205//TN205L	TN205L0/TN205L1	TN253L//LF	TN288L//LF	TN265/TN265L	TCT001	TCT002
Photo									
Description	IRT+Clock+Stopwatch+Room temp	IRT+Clock+Stopwatch+Room temp	IRT//IRT + Laser	IRT + Laser	IRT+ Laser+HACCP food code LED+ Bar Display	IRT+ Laser+HACCP food code LED+ Bar Display	IRT	Thermocouple with extension probe,IP55	Thermocouple with fixed probe,IP55
#FFP:=Feature for Promotion	RTC	RTC	Double action	(AutoCalWien)	ZoDi	ZoDi		IP55	IP55
Measurement Range(IRT)	-33~110°C// -33~180°C	-55~220°C	-55~250°C -67~482°F	-55~250°C/ -67~482°F// -55~350°C/ -67~662°F	-55~350°C -67~662°F	-55~350°C -67~662°F	-55~250°C -67~482°F	NA	NA
Operating 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	0~50°C 32~122°F	0~50°C 32~122°F	0~50°C 32~122°F	-20~50°C -4~122°F	-20~50°C -4~122°F
IRT Accuracy, Tobj=15-35°C Tamb=25°C	+/-1.0°C	+/-1.0°C	+/-1.0°C	+/-1.0°C	+/-1.0°C	+/-1.0°C	+/-1.0°C	NA	NA
IRT Accuracy (Tamb=23+/-3degC)	Above 0°C:+/- 2.5%,2.5°C -33~ 0°C:+/- (2.5+0.05/deg)C	Above 0°C:+/- 2.5%,2.5°C -55~ 0°C:+/- (2.5+0.05/deg)C	+/-2%,2°C #Acm (-33~250°C)	+/-2%,2°C #Acm (-33~250°C) // Above 0°C:+/- 2.5%,2.5°C -55~ 0°C:+/- (2.5+0.05/deg)C	+/-2%,2°C #Acm (-33~350°C)	Above 0°C:+/- 2%,2°C -55~ 0°C:+/- (2+0.05/deg)C	+/-2%,2°C #Acm (-33~250°C)	NA	NA
Resolution (at -9.9~199.9°C/°F #RE)	0.2°C/0.5°F	0.1°C/0.1°F	0.1°C/0.1°F	0.1°C/0.1°F	0.1°C/0.1°F	0.1°C/0.1°F	0.1°C/0.1°F	0.1°C/0.1°F at -58 to 199.9(°C/°F), otherwise 1° C/1°F	0.1°C/0.1°F at -58 to 199.9(°C/°F), otherwise 1° C/1°F
Repeatability 25°C#RP	0.2°C	0.2°C	0.15°C	0.15°C	0.15°C	0.15°C	0.1°C	NA	NA
Repeatability 80°C	1°C	1°C	0.75°C	0.75°C	0.75°C	0.75°C	0.5°C	NA	NA
Standard COC Point	0,100°C	0,100°C	0,100°C	0,100°C	0,100°C	0,100°C	0,100°C	TCP: -20, 0,60,200	TCP: -20, 0,60,200
Response Time (90%) #RTI	1sec	1sec	1sec	1sec	1sec	1sec	1sec	NA	NA
D:S	1:1	1:1	6:1	6:1	6:1	6:1	8:1	NA	NA
Emissivity	fixed 0.95	fixed 0.95	0.05~1 Step.01	0.05~1 Step.01	0.05~1 Step.01	0.05~1 Step.01	0.05~1 Step.01	NA	NA
Update Frequency(about)	1.4Hz	1.4Hz	1.4Hz	1.4Hz	1.4Hz	1.4Hz	1.4Hz	NA	NA
Dimension [mm]	14.62*32.65*72.56mm	14.62*32.65*72.56mm	103*50*22.5mm	103*50*22.5mm	113.5*43.5*24.5mm	128.0*46.0*26.0mm	110*52*22mm	915*42*21mm	203.7*42*21mm
Dimension [inch]	0.57"*1.28"*2.85"	0.57"*1.28"*2.85"	4.0"*2.0"*0.9"	4.0"*2.0"*0.9"	4.5"*1.7"*0.96"	5.03"*1.81"*10.2"	4.3"*2.05"*0.87"	36"*1.65"*0.83"	8.0"*1.65"*0.83"
Wave Length	5-14um	5-14um	5-14um	5-14um	5-14um//8-14um	5-14um//8-14um	5-14um	NA	NA
Weight (with battery) [g/oz]	22.75g/0.8oz	22.75g/0.8oz	65g/2.3oz	65g/2.3oz	92g/3.24oz	108.1g/3.81oz	82g/2.9oz	72.8g/2.56oz	43.6g/1.53oz
Weight (no battery) [g/oz]	19.75g/0.7oz	22.75g/0.8oz	59g/2.1oz	59g/2.1oz	69.1/2.43oz	85.2/3.0oz	76g/2.68oz	69.8/2.46	40.6g/1.43oz
Thermocouple Probe:	NA	NA	NA	NA	NA	NA	NA	T type, Grounded	T type, Grounded
Measurement Range (for TN3 TN4: Warning: the actual range depends on the probe spec)	NA	NA	NA	NA	NA	NA	NA	-50~350°C -58~662°F	-50~350°C -58~662°F
Accuracy of Thermocouple(Tamb=23+/-6degC)	NA	NA	NA	NA	NA	NA	NA	+/-0.8%,0.8°C @Tamb=25degC	+/-0.8%,0.8°C @Tamb=25degC
Repeatability 25°C#RP	NA	NA	NA	NA	NA	NA	NA		
Thermocouple Auto PowerOff	NA	NA	NA	NA	NA	NA	NA	4minutes	4minutes
Probe Response Time (90%, in still water)	NA	NA	NA	NA	NA	NA	NA	10sec	10sec
Mode	Max,Min,Lock	Max,Min,Lock	Max,Min,Lock	Max,Min,Lock	RTMax, Bar Display	RTMax, Bar Display	Max,Min,Lock	C/F	C/F
Power Supply	CR2032x1	CR2032x1	CR2032x1 -L:CR2032x2	CR2032x2	AAAx2	AAAx2	CR2032x1 -L:CR2032x2	CR2032x1	CR2032x1
Battery Life,Typical #BL#BW	40hr **ShelfLife=8mon**	40hr **ShelfLife=8mon**	40hr	40hr	18hr	18hr	40hr	TCP:100hr	TCP:100hr
?Battery Life [day] @ 4min/day	500	500	500	500			500	500	500
!Battery Life, Min	30hr	30hr	30hr	30hr	14hr	14hr	30hr	30hr	30hr
Special Features	Clock(24hr), Ambient Temp, Stop Watch.	Clock(24hr), Ambient Temp, Stop Watch.			HACCP LED (TN253LF only)	HACCP LED (TN288LF only)			
Options:			TN206=-55~300 Res=.2C/.5F?				Laser Pointer		
ColorBox Dim. #n	97*74*24mm	97*74*24mm	155*87*28mm	155*87*28mm	N/A	N/A	155*87*28mm	!TBD	!TBD
G.W.(ColorBox)#n	!TBD Ivan	!TBD Ivan	88.7g	88.7g	N/A	N/A	102.9g	!TBD	!TBD
Blister Dimension	142*102*12mm	142*102*12mm	231*135*30mm	231*135*30mm	231*135*33mm	231*135*33mm	244x143x30mm	!TBD	!TBD
G.W. (Blister)	!TBD Ivan	!TBD Ivan	124.3g	124.3g	163.2g	179.3g	132.5g	!TBD	!TBD
MetalBox Dimension	N/A	N/A	204*91*25mm	204*91*25mm	N/A	N/A	87*122*32mm	!TBD	!TBD
G.W. (MetalBox)	N/A	N/A	194.2g	194.2g	N/A	N/A	177.6g	!TBD	!TBD

Model No	TCT003K	TCT032	TCT012	TCT013K	TCT013T	TCT053K	TCT053T	TCT103	TCT103F
Photo									
Description	Thermocouple socket,IP40	Thermocouple with fixed probe,IP65	Thermocouple probe, IP65	Thermocouple socket+ IP65	Thermocouple socket+ IP65	Thermocouple socket+HACCP LED, IP54, Backlight	Thermocouple socket+HACCP LED, IP54, Backlight	IRT+Thermocouple + COC	IRT+Thermocouple + COC
#FFP:=Feature for Promotion	IP40	IP65	IP65	IP65	IP65	ZoDi,IP54	ZoDi,IP54	2in1	2in1
Measurement Range(IRT)	NA	NA	NA	NA	NA	NA	NA	-33~220°C -27~428°F	-33~220°C -27~428°F
Operating Range	-20~50°C -4~122°F	0~50°C 32~122°F	0~50°C 32~122°F	0~50°C 32~122°F	0~50°C 32~122°F	0~50°C 32~122°F	0~50°C 32~122°F	0~50°C 32~122°F	0~50°C 32~122°F
IRT Accuracy, Tobj=15-35°C Tamb=25°C	NA	NA	NA	NA	NA	NA	NA	+/-0.6°C	+/-0.6°C
IRT Accuracy (Tamb=23+/-3degC)	NA	NA	NA	NA	NA	NA	NA	+/-2%,2°C#Acm (-33~220°C)	+/-1.5°C(0~65 °C)
Resolution (at -9.9~199.9°C/°F #RE)	0.1°C/0.1°F at -76 to 999.9(°C/°F), otherwise 1° C/1°F	0.1°C/0.1°F at -58 to 199.9(°C/°F), otherwise 1° C/1°F	0.1°C/0.1°F	0.1°C/0.1°F	0.1°C/0.1°F	0.1°C/0.1°F	0.1°C/0.1°F	0.1°C/0.1°F	0.1°C/0.1°F
Repeatability 25°C#RP	NA	NA	NA	NA	NA	NA	NA	0.1°C	0.1°C
Repeatability 80°C	NA	NA	NA	NA	NA	NA	NA	0.5°C	0.5°C
Standard COC Point	TCP: -20, 0,60,200,1000	TCP: -20, 0,60,200	TCP: -20, 0,60,200	TCP: -20, 0,60,200,1000	TCP: -20, 0,60,200	TCP: -20, 0,60,200,1000	TCP: -20, 0,60,200	IRT: see TN1 TCP: -18,0,200	IRT: see TN1 TCP: -18,0,200
Response Time (90%) #RTI	NA	NA	NA	NA	NA	NA	NA	1sec	1sec
D:S	NA	NA	NA	NA	NA	NA	NA	1:1	1:1
Emissivity	NA	NA	NA	NA	NA	NA	NA	0.1~1 Step.01	0.1~1 Step.01
Update Frequency(about)	NA	NA	NA	NA	NA	NA	NA	1Hz	1Hz
Dimension [mm]	78*42*21mm	203.7*42*20mm	203.7*42*20.2mm	78*42*20.2mm	78*42*20.2mm	100*45*20mm	100*45*20mm	24.2*39.8*156mm	24.2*39.8*156mm
Dimension [inch]	3.0"*1.65"*0.83"	8.0"*1.7"*0.8"	8.0"*1.7"*0.8"	3"*1.7"*0.8"	3"*1.7"*0.8"	3.96"*1.76"*0.78"	3.96"*1.76"*0.78"	1.0"*1.6"*6.1"	1.0"*1.6"*6.1"
Wave Length	NA	NA	NA	NA	NA	NA	NA	5-14um	8-14um
Weight (with battery) [g/oz]	40g/1.41oz	43.95g/1.55oz	43.95g/1.55oz	40.15g/1.42oz	40.15/1.42oz	!TBD	!TBD	75g/2.6oz	75g/2.6oz
Weight (no battery) [g/oz]	37g/1.3oz	40.95g/1.45oz	40.95g/1.44oz	37.15g/1.31oz	37.15g/1.31oz	!TBD	!TBD	70g/2.5oz	70g/2.5oz
Thermocouple Probe:	K type, Socket	K type, Grounded	K type, probe	K type, Socket	T type, Socket	K type, Socket	T type, Socket	K type, Grounded	K type, Grounded
Measurement Range (for TN3 TN4: Warning: the actual range depends on the probe spec)	-60~1200°C -76~1999°F	-50~350°C -58~662°F	-50~350°C -58~662°F	-64~1400°C -83.2~1999°F	-50~350°C -58~662°F	-64~1400°C -83.2~1999°F	-50~350°C -58~662°F	-55~330°C	-55~330°C
Accuracy of Thermocouple(Tamb=23+/-6degC)	+/-1%,1°C @Tamb=25degC	+/-0.8%,0.8°C @Tamb=25degC	+/-0.8%,0.8°C @Tamb=25degC	+/-1%,1°C @Tamb=25degC	+/-1%,1°C @Tamb=25degC	+/-1%,1°C @Tamb=25degC	+/-1%,1°C @Tamb=25degC	+/-0.8°C,1%, #WIG #	+/-.5,-9~100, +/-0.8, 0.9%
Repeatability 25°C#RP									
Thermocouple Auto PowerOff	4minutes	4minutes	4minutes	4minutes	4minutes	4minutes	4minutes	4minutes	4minutes
Probe Response Time (90%, in still water)		10sec	10sec					10sec	10sec
Mode	C/F	C/F	C/F	C/F	C/F	C/F	C/F	Max,Min,Lock	Max,Min,Lock
Power Supply	CR2032x1	CR2032x1	CR2032x1	CR2032x1	CR2032x1	CR2032*2	CR2032*2	CR2032x1	CR2032x1
Battery Life,Typical #BL#BW	TCP:100hr	TCP:100hr	TCP:100hr	TCP:100hr	TCP:100hr	TCP:100hr	TCP:100hr	IRT:40hr TCP:100hr	IRT:40hr TCP:100hr
?Battery Life [day] @ 4min/day	500	500	500	500	500	500	500	500	500
!Battery Life, Min	30hr	30hr	30hr	30hr	30hr	30hr	30hr	30hr	30hr
Special Features			IP65	IP65	IP65	Food Code Zone Display, IP65	Food Code Zone Display, IP65		
Options:									
ColorBox Dim. #n	!TBD	!TBD	233*89*41mm	121*82*37mm	121*82*37mm	!TBD	!TBD	62*53*168mm	62*53*168mm
G.W.(ColorBox)#n	!TBD	!TBD	95.63g	67.1g	67.1g	!TBD	!TBD	110.9g	110.9g
Blister Dimension	!TBD	!TBD	242*135*27mm	155*135*27mm	155*135*27mm	!TBD	!TBD	231*135*35mm	231*135*35mm
G.W. (Blister)	!TBD	!TBD	91.88g	71.88g	71.88g	!TBD	!TBD	129.3g	129.3g
MetalBox Dimension	!TBD	!TBD	N/A	N/A	N/A			204*91*25mm	204*91*25mm
G.W. (MetalBox)	!TBD	!TBD	N/A	N/A	N/A			229.1g	229.1

Model No	TCT223	TCT233	TCT23N	TCT303	TCT303F	TCT401L/TCT401E	TCT402L/TCT402E	TCT403K	TN602C
Photo									
Description	IRT+Thermocouple	IRT+Thermocouple	IRT+Thermocouple	Gun Type + Probe	Gun Type + Probe + ZoneDisplay	IRT+Thermocouple socket+Laser// IRT+Thermocouple socket+ LED	IRT+Laser // IRT+ LED	Thermocouple socket+ IP65	IRT+Clock+Stopwatch+Room temp+LCD backlight
#FFP:=Feature for Promotion	2in1	2in1	2in1	2in1; Torch,ZoDi	2in1; Torch,ZoDi	2in1s,COMP1	COMP1	COMP1, IP65	COMP1
Measurement Range(IRT)	-55~220°C -27~428°F	-55~220°C -67~428°F	-33~220°C -27~428°F	-55~250°C -67~482°F	-55~250°C -67~482°F	-50~350°C -58~662°F	-50~350°C -58~662°F	-50~350°C -58~662°F	-55~220°C -67~428°F
Operating 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	0~50°C 32~122°F	-10~50°C 14~122°F	-10~50°C 14~122°F	-10~50°C 14~122°F	-10~50°C 14~122°F
IRT Accuracy, Tobj=15-35°C Tamb=25°C	+/-0.6°C	+/-0.6°C	NA	+/-0.6°C	+/-0.6°C	+/-1.0°C	+/-1.0°C	NA	+/-0.6°C
IRT Accuracy (Tamb=23+/-3degC)	+/-2%,2°C#Acm (-33~220°C)	+/-2%,2°C#Acm (-33~220°C)	+/-2%,2°C#Acm (-33~220°C)	+/-2%,2°C#Acm (-33~250°C)	-33~0:+/-(1°C +0.1/degree) 0~ 65: +/-1°C 65~250:+/-1.5%	-50~ 0°C:+/- (2+0.05/deg)C , Above 0°C:+/- 2%,2°C	-50~ 0°C:+/- (2+0.05/deg)C , Above 0°C:+/- 2%,2°C	NA	+/-2%,2°C
Resolution (at -9.9~199.9°C/°F #RE)	0.1°C/0.1°F	0.1°C/0.1°F	0.1°C/0.1°F	0.2°C/0.5°F	0.2°C/0.5°F	0.1°C/0.1°F	0.1°C/0.1°F	0.1°C/0.1°F	0.1°C/0.1°F
Repeatability 25°C#RP	0.1°C	0.1°C	0.1°C	0.1°C	0.1°C	0.2°C	0.2°C	NA	0.1°C
Repeatability 80°C	0.5°C	0.5°C	0.5°C	0.5°C	0.5°C	1°C	1°C	NA	0.5°C
Standard COC Point	IRT: see TN1 TCP: -18,0,200	IRT: see TN1 TCP: -18,0,200	IRT: see TN1 TCP: -18,0,200	IRT: see TN1 TCP: -18,0,200	IRT: see TN1 TCP: -18,0,200	IRT: 0,100°C TCP: 0,60, 200	0,100°C	TCP: 0,60,200	0,100°C
Response Time (90%) #RTI	1sec	1sec	1sec	1sec	1sec	1sec	1sec	NA	1sec
D:S	3:1	5:1	2.5:1	2.5:1	2.5:1	1:1	1:1	NA	1:1
Emissivity	0.1~1 Step.01	0.1~1 Step.01	0.1~1 Step.01	0.1~1 Step.01	0.1~1 Step.01	0.1~1 Step.01	0.1~1 Step.01	NA	0.05~1 Step.01
Update Frequency(about)	1Hz	1Hz	1Hz	1Hz	1Hz	1Hz	1Hz	NA	1.4Hz
Dimension [mm]	19.2*39*148mm	24.5*45*166.5mm	24.5*45*166.5mm	22.2*38*160mm	22.2*38*160mm	100.04×22.65× 52.09 mm	100.04×22.65× 52.09 mm	100.04×22.65× 52.09 mm	18*36.6*67.8mm
Dimension [inch]	0.75"*1.5"*5.8"	1.0"*1.8"*6.6"	1.0"*1.8"*6.6"	0.9"*1.5"*6.3"	0.9"*1.5"*6.3"	3.94×0.89×2.05 inch	3.94×0.89×2.05 inch	3.94×0.89×2.05 inch	0.7"*1.4"*2.7"
Wave Length	5-14um-	5-14um-	5-14um-	5-14um	8um-14um	5-14um	5-14um	NA	5-14um
Weight (with battery) [g/oz]	72.4g/2.5oz	99.7g/3.5oz	99.7g/3.5oz	98.1g/3.5oz	98.1g/3.5oz	92g/3.24oz	92g/3.24oz	85g/3oz	39g/1.4oz
Weight (no battery) [g/oz]	69.3g/2.4oz	96.6g/3.4oz	96.6g/3.4oz	95g/3.3oz	95g/3.3oz	89g/3oz	89g/3oz	82g/2.8oz	36g/1.3oz
Thermocouple Probe:	K type, Grounded	K type, Grounded	K type, Grounded	K type, Grounded	K type, Grounded	K type, Socket	NA	K type, Socket	NA
Measurement Range (for TN3 TN4: Warning: the actual range depends on the probe spec)	-55~330°C	-55~220°C	-33~220°C -27~428°F	-55~330°C	-55~330°C	-50~350°C -58~662°F	NA	-50~350°C -58~662°F	NA
Accuracy of Thermocouple(Tamb=23+/-6degC)	+/-0.8°C,1%, #WIG #	+/-0.8°C,1%, #WIG #	below -5 :+/-1°C -5~ 65 : +/-0.5°C above 65 :+/-1%	+/-0.8°C,1%, #WIG below -5 :+/-1°C	below -5 :+/-1°C -5~ 65 : +/-0.5°C above 65 :+/-1%	+/-1%,1°C @Tamb=25degC	NA	+/-1%,1°C @Tamb=25degC	NA
Repeatability 25°C#RP							NA		NA
Thermocouple Auto PowerOff	4minutes	4minutes	4minutes	4minutes	4minutes	4minutes	NA	4minutes	NA
Probe Response Time (90%, in still water)	10sec	10sec	10sec	10sec	10sec	10sec	NA	10sec	NA
Mode	Max,Min,Lock	Max,Min,Lock	Max,Min,Lock	Max,Min,Lock	Max,Min,Lock	Max,Min,Lock	Max,Min,Lock	C/F	Max,Min,Lock
Power Supply	CR2032x1	CR2032x1	CR2032x1	AAAx2	AAAx2	AAAx2	AAAx2	AAAx2	CR2032x1
Battery Life,Typical #BL#BW	IRT:40hr TCP:100hr	IRT:40hr TCP:100hr	IRT:40hr TCP:100hr	TCP:100hr IRT:18hr (with LED)	TCP:100hr IRT:18hr (with LED)	TCP:100hr IRT:18hr (with Laser/LED)	IRT:18hr (with Laser/LED)	TCP:100hr	25hr **ShelfLife=6mon**
?Battery Life [day] @ 4min/day	500	500	500			500	500	500	300
!Battery Life, Min	30hr	30hr	30hr	30hr	30hr	30hr	30hr	30hr	20hr
Special Features		IP54	IP54	Zone Display; IP65	Food Code Zone Display; IP65			IP65	Clock, Ambient Temp, Stop Watch, LCD backlight
Options:									
ColorBox Dim. #n		!TBD	!TBD	!TBD	!TBD	!TBD	!TBD	!TBD	
G.W.(ColorBox)#n		!TBD	!TBD	!TBD	!TBD	!TBD	!TBD	!TBD	
Blister Dimension	231*135*35mm	!TBD	!TBD	231*135*29.2mm	231*125*29.2mm	!TBD	!TBD	!TBD	194*120*32.7mm
G.W. (Blister)	119.7g	!TBD	!TBD	166.5g	166.5g	!TBD	!TBD	!TBD	76.3g
MetalBox Dimension		!TBD	!TBD	!TBD	!TBD	!TBD	!TBD	!TBD	
G.W. (MetalBox)		!TBD	!TBD	!TBD	!TBD	!TBD	!TBD	!TBD	