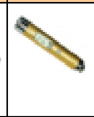
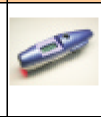
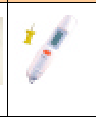
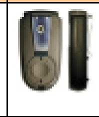
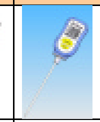
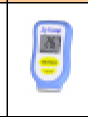
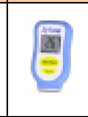
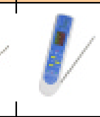
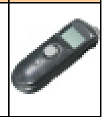
2007/8/24 05:10 PM

TN Family

複本 TN_Family_349 Spec (4).xls

Model No	TN002C//TN002Ci	TN002K//TN002Ki	TN006C	TN007i	TN004//TN006	TN005//TN007	TNF06//TNF06U	TN110	TN105i2	TN105J
Photo										
Description	Ultra Compact IRT for Gift market	Ultra Compact IRT for Gift market	Ultra Compact IRT for Gift market	Ultra Compact IRT for Gift market	Ultra Compact IRT for Gift market	Ultra Compact IRT for Gift market	IRT+WhiteLED Flashlight//UV light	Compact IRT for Consumer	Compact IRT for Industry	Compact IRT for Industry
Measurement Range	-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	-33~220°C -27~428°F	-33~110//-33~180°C -27~230//-27~356°F	-33~110//-33~180°C -27~230/-27~356°F	-55~220°C -67~428°F	-33~220°C -27~428°F	-33~220°C -27~428°F	-33~220°C -27~428°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	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
Accuracy, Tobj=15-35°C Tamb=25°C	+/-1°C	+/-1°C	+/-1°C	+/-1°C	+/-1°C	+/-1°C	+/-0.6°C	+/-1°C	+/-0.6°C	+/-0.6°C
Accuracy #AC(above -33°C)	+/-2.5%, 2.5°C // +/-2%,2°C	+/-2.5%, 2.5°C // +/-2%,2°C	+/-2%,2°C	+/-2%,2°C	+/-2.5%, 2.5°C	+/-2.5%, 2.5°C	+/-2%, 2°C (-33 ~220°C)	+/-2.5%, 2.5°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// 0.1°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	0.5°C/0.5°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	0.2°C	0.2°C	0.1°C	0.5°C	0.1°C	0.1°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	0,100°C
Response Time (90%) #RTI	1sec	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	1:1
Emissivity	0.95 fixed	0.95 fixed	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
Update Frequency(about)	~1Hz	~1Hz	~1Hz	~1Hz	~1Hz	~1Hz	~1Hz	1Hz	1.4Hz	1.4Hz
Dimension [mm]	86.5*19.4*14.8mm	92.7*15.6*14.8mm	83.3*19.1*33.5mm	83.3*19.1*33.5mm	83.3*19.1*19.1mm	86.1*24.8*28.4mm	140*31*24.2mm	17*47*71mm	18*36.6*67.8mm	18*36.6*67.8mm
Dimension [inch]	3.4"*0.8"*0.6"	3.6"*0.6"*0.6"	3.3"*0.75"*1.3"	3.3"*0.75"*1.3"	3.3"*0.75"*0.75"	3.4"*1.0"*1.1"	5.5"*1.2"*1.0"	0.7"*1.9"*2.8"	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	5-14um
Weight (with battery) [g/oz]	39.5g/1.39oz	38.5g/1.35oz	19.5g/0.7oz	21g/0.74oz	17g/0.6oz	21g/0.74oz	80.5g/2.8oz	33g/1.2oz	32g/1.1oz	32g/1.1oz
Weight (no battery) [g/oz]	35.7g/1.26oz	34.7g/1.22oz	15.5g/0.6oz	17g/0.6oz	13g/0.5oz	17g/0.6oz	58g/2.0oz	30g/1.1oz	29g/1.0oz	29g/1.0oz
Thermocouple Probe:	NA	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	NA
Accuracy of Thermocouple #ACpb	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thermocouple Auto PowerOff	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mode	NA	NA	NA	NA	NA	NA	Max,Min,Lock	NA	Max,Min,Lock	Max,Min,Lock
Power Supply	LR44x2	LR44x2	LR44x2	LR44x2	LR44x2	LR44x2	AAAx2	CR2032x1	CR2032x1	CR2032x1
Battery Life,Typical #BL#BW	30hr	30hr	30hr	10hr	30hr	10hr	15hr (flash LED On)	40hr	40hr	40hr
Special Features	Pen Clip	Key Chain	Pen Clip	red LED		red LED	Clock(24hr), Ambient Temp, Stop Watch.	Clock(pm)	Foldable Stand	Metal Clip
Options:										
ColorBox Dim. #n								120*80*36mm	120*80*36mm	120*80*36mm
G.W.(ColorBox)#n								63.2g	64g	64g
Blister Dimension	165*44*33mm	165*44*33mm	165*44*33mm	165*44*33mm	165*44*33mm	165*44*33mm	231*135*31.5mm		154*134*28mm	154*134*28mm??
G.W. (Blister)	39.55g	39.55g	39.55g	37g	33.75g	36.85g	118.7g		70.1g	70.1g??
MetalBox Dimension									107*85*23mm	107*85*23mm??
G.W. (MetalBox)							202.7g		117.2g	117.2g??

Model No	TN105c	TN105B	TN110rb	TN102B	TN102	TN159	TN103/TN104	TN153	TN15A	TN205//TN205L
Photo										
Description	IRT+Clock+Stopwatch+Room temp	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//IRT + Laser
Measurement Range	-55~220°C -67~428°F	-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	-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	0~50°C 32~122°F
Accuracy, Tobj=15-35°C Tamb=25°C	+/-0.6°C	+/-0.6°C	+/-1°C	+/-0.6°C	+/-0.6°C	+/-0.6°C	+/-0.6°C	+/-0.6°C	+/-0.6°C	+/-1.0°C
Accuracy #AC(above -33°C)	+/-2%,2°C	+/-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)!	+/-2%,2°C #Acm (-33~250°C)
Resolution at -9.9~199.9°C/°F #RE	0.1°C/0.1°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	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	0.5°C	0.1°C	0.1°C	0.1°C	0.1°C	0.1°C	0.1°C	0.15°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	0,100°C
Response Time (90%) #RTI	1sec	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	6:1
Emissivity	0.05~1 Step.01	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	1.4Hz	1Hz	1.4Hz	1.4Hz	1.4Hz	1.4Hz	1.4Hz	1.4Hz	1.4Hz
Dimension [mm]	18.0x36.6x67.8mm	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	103*50*22.5mm
Dimension [inch]	0.7"*1.4"*2.7"	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"	4.0"*2.0"*0.9"
Wave Length	5-14um	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	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	65g/2.3oz
Weight (no battery) [g/oz]	29g/1.0oz	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	59g/2.1oz
Thermocouple Probe:	NA	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	NA
Accuracy of Thermocouple #ACpb	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thermocouple Auto PowerOff	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mode	Max,Min,Lock	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	CR2032x1 -L:CR2032x2
Battery Life,Typical #BL#BW	40hr **ShelfLife=8mon**	40hr **ShelfLife=8mon**	40hr	20hr	20hr	40hr	40hr	40hr	40hr	40hr
Special Features	Clock(24hr), Ambient Temp, Stop Watch.	Ambient Temp, Stop Watch, RealTimeMax, BarDisplay	Clock(pm)	Ambient Temp, Stop Watch, RealTimeMax, BarDisplay	LED Lamp					
Options:										TN206=-55~300 Res=.2C/.5F?
ColorBox Dim. #n	120*80*36mm	120*80*36mm	120*80*36mm	120*80*36mm	120*80*36mm	120*80*36mm		120*80*36mm	168*108*48mm	155*87*28mm
G.W.(ColorBox)#n	64g	64g	63.2g	70g	70g	69.6g		71.6g	127.3g	88.7g
Blister Dimension	154*134*28mm	154*134*28mm		194*120*25.5mm	194*120*25.5mm	194*120*32mm	194*120*31.6mm	194*120*26mm	194*120*38mm	231*135*30mm
G.W. (Blister)	70.1g	70.1g		72g	72g	158.2g	82.7g??	158.2g	96.1g	124.3g
MetalBox Dimension	107*85*23mm	107*85*23mm		107*85*23mm	107*85*23mm	87*122*32mm				204*91*25mm
G.W. (MetalBox)	117.2g	117.2g		124.2g	124.2g	138.7g				194.2g

Model No	TN253L//LF	TN265/TN265L	TCT012	TCT013K	TCT013T	TCT103	TCT103F	TCT303	TCT303F	TN806LCE	TN602C
Photo											
Description	IRT+ Laser+HACCP food code LED+ Bar Display	IRT	Thermocouple probe, IP65	Thermocouple socket+ IP65	Thermocouple socket+ IP65	IRT+Thermocouple + COC	IRT+Thermocouple + COC	Gun Type + Probe	Gun Type + Probe + ZoneDisplay	IRT + Laser with IP65	IRT+Clock+Stopwatch+Room temp+LCD backlight
Measurement Range	-55~350°C -67~662°F	-55~250°C -67~482°F	NA	NA	NA	-33~220°C -27~428°F	-33~220°C -27~428°F	-55~250°C -67~482°F	-55~250°C -67~482°F	-60~500°C -76~932°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	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
Accuracy, Tobj=15-35°C Tamb=25°C	+/-1.0°C	+/-1.0°C	NA	NA	NA	+/-0.6°C	+/-0.6°C	+/-0.6°C	+/-0.6°C	+/-1.0°C	+/-0.6°C
Accuracy #AC(above -33°C)	+/-2%,2°C #Acm (-33~350°C)	+/-2%,2°C #Acm (-33~250°C)	NA	NA	NA	+/-2%,2°C#Acm (-33~220°C)	+/-1.5°C(0~65 °C)	+/-2%,2°C#Acm (-33~250°C)	-33~0:+/-(1°C +0.1/degree) 0~ 65: +/-1°C 65~250:+/-1.5%	+/-2%,2°C	+/-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	0.1°C/0.1°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	0.2°C/0.5°F	0.1°C/0.1°F	0.1°C/0.1°F
Repeatability 25°C#RP	0.15°C	0.1°C	NA	NA	NA	0.1°C	0.1°C	0.1°C	0.1°C	0.15°C	0.1°C
Standard COC Point	0,100°C	0,100°C	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	IRT: see TN1 TCP: -18,0,200	IRT: see TN1 TCP: -18,0,200	-30,0,200,400°C	0,100°C
Response Time (90%) #RTI	1sec	1sec	NA	NA	NA	1sec	1sec	1sec	1sec	1sec	1sec
D:S	6:1	8:1	NA	NA	NA	1:1	1:1	2.5:1	2.5:1	8:1	1:1
Emissivity	0.05~1 Step.01	0.05~1 Step.01	NA	NA	NA	0.1~1 Step.01	0.1~1 Step.01	0.1~1 Step.01	0.1~1 Step.01	Fixed 0.95	0.05~1 Step.01
Update Frequency(about)	1.4Hz	1.4Hz	NA	NA	NA	1Hz	1Hz	1Hz	1Hz	1.4Hz	1.4Hz
Dimension [mm]	113.5*43.5*24.5mm	110*52*22mm	203.7*42*20.2mm	78*42*20.2mm	78*42*20.2mm	24.2*39.8*156mm	24.2*39.8*156mm	22.2*38*160mm	22.2*38*160mm	172*60*34mm	18*36.6*67.8mm
Dimension [inch]	4.5"*1.7"*0.96"	4.3"*2.05"*0.87"	8.0"*1.7"*0.8"	3"*1.7"*0.8"	3"*1.7"*0.8"	1.0"*1.6"*6.1"	1.0"*1.6"*6.1"	0.9"*1.5"*6.3"	0.9"*1.5"*6.3"	6.77"*2.36"*1.33"	0.7"*1.4"*2.7"
Wave Length	5-14um//8-14um	5-14um	NA	NA	NA	5-14um	8-14um	5-14um	8um-14um	8~14um	5-14um
Weight (with battery) [g/oz]	92g/3.24oz	82g/2.9oz	43.95g/1.55oz	40.15g/1.42oz	40.15/1.42oz	75g/2.6oz	75g/2.6oz	98.1g/3.5oz	98.1g/3.5oz	181.85g/6.41oz	39g/1.4oz
Weight (no battery) [g/oz]	69.1/2.43oz	76g/2.68oz	40.95g/1.44oz	37.15g/1.31oz	37.15g/1.31oz	70g/2.5oz	70g/2.5oz	95g/3.3oz	95g/3.3oz	135.55g/4.78oz	36g/1.3oz
Thermocouple Probe:	NA	NA	K type, probe	K type, Socket	T type, Socket	K type, Grounded	K type, Grounded	K type, Grounded	K type, Grounded	K type,Small Socket	NA
Measurement Range (for TN3 TN4: Warning: the actual range depends on the probe spec)	NA	NA	-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	-55~330°C	-55~330°C	-64~1400°C -83.2~1999°F	NA
Accuracy of Thermocouple #ACpb	NA	NA	+/-0.8%,0.8°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%	+/-0.8°C,1%, #WIG below -5 :+/-1°C	**below -5 :+/-1°C -5~ 65 : +/-0.5°C above 65 :+/-1%**	+/-1%,1°C #APs	NA
Thermocouple Auto PowerOff	NA	NA	4minutes	4minutes	4minutes	4minutes	4minutes	4minutes	4minutes	12minutes	NA
Mode	RTMax,Lock, Bar Display	Max,Min,Lock	C/F	C/F	C/F	Max,Min,Lock	Max,Min,Lock	Max,Min,Lock	Max,Min,Lock	Ave,Dif,,HiLow Alarm, Max,Min,Lock	Max,Min,Lock
Power Supply	AAAx2	CR2032x1 -L:CR2032x2	CR2032x1	CR2032x1	CR2032x1	CR2032x1	CR2032x1	AAAx2	AAAx2	AAA*2	CR2032x1
Battery Life,Typical #BL#BW	18hr	40hr	TCP:100hr	TCP:100hr	TCP:100hr	IRT:40hr TCP:100hr	IRT:40hr TCP:100hr	TCP:100hr IRT:18hr (with LED)	TCP:100hr IRT:18hr (with LED)	180/18hr (no/with Laser,Backlit)	25hr **ShelfLife=6mon**
Special Features			IP65	IP65	IP65			Zone Display; IP65	Food Code Zone Display; IP65	Laser;Backlit;IP65	Clock, Ambient Temp, Stop Watch, LCD backlight
Options:		Laser Pointer								Laser Pointer; Holster	
ColorBox Dim. #n		155*87*28mm	233*89*41mm	121*82*37mm	121*82*37mm	62*53*168mm	62*53*168mm	!TBD	!TBD	250*116*67mm	
G.W.(ColorBox)#n		102.9g	95.63g	67.1g	67.1g	110.9g	110.9g	!TBD	!TBD	307g	
Blister Dimension	231*135*33mm	244x143x30mm	242*135*27mm	155*135*27mm	155*135*27mm	231*135*35mm	231*135*35mm	!tbd ivan	!tbd ivan	231*135*40mm	194*120*32.7mm
G.W. (Blister)	163.2g	132.5g	91.88g	71.88g	71.88g	129.3g	129.3g	!tbd ivan	!tbd ivan	265g	76.3g
MetalBox Dimension		87*122*32mm	N/A	N/A	N/A	204*91*25mm	204*91*25mm	!TBD	!TBD	NA	
G.W. (MetalBox)		177.6g	N/A	N/A	N/A	229.1g	229.1	!TBD	!TBD	NA	