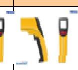
Model No	TN400L1	TN403L	TN408LC	TN409LC	TN408LT	TN40ALC	TN41AL0//TN41AL3	TN41AL1//TN41AL2	TN41ALC(G)// TN41ALD(G)// TN41ALB(G)	TN410L3	TN410L1//TN410L2	TN410LC//TN410L9
Photo												
Description	IRT + Laser	IRT + Laser	IRT + Laser+ Thermocouple socket	Wide Range IRT + Laser+ Thermocouple socket	IRT + Laser+T-type Thermocouple socket	IRT + Laser+ Thermocouple socket	IRT + Laser	IRT + Laser	IRT + Laser+ Thermocouple socket (Color LCD)	IRT + Laser	IRT + Laser	IRT + Laser+ Thermocouple socket
#FFP:=Feature for Promotion	rtMAX	rtMAX	2in1s	2in1s	2in1s	2in1s	rtMAX	rtMAX	2in1s	rtMAX	rtMAX	2in1s
Status of Sample/Production	Production	Production	Production	Production	Production	Production	Jun/Jul-2012	Jun/Jul-2012	Jun/Jul-2012	Production	Production	Prodcution
Measurement Range	-60~500°C -76~932°F	-60~500°C -76~932°F	-60~500°C -76~932°F	-60~760°C -76~1400°F	-55~280°C -67~536°F	-60~760°C -76~1400°F	-50~500°C(-58~752°F)// -60~500°C(-76~932°F)	-60~500°C(-76~932°F)// -60~625C(-76~1157°F)	-60~500°C(-76~932F) // -60~625°C(-76~1157F) // -60~760C(-76~1400F)	-60~500C(-76~932°F)	-60~500°C(-76~932°F) // -60~625C(-76~1157°F)	-60~500°C(-76~932F) // -60~760C(-76~1400F)
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	0~50°C 32~122°F	0~50°C 32~122°F
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	+/-1.0°C	+/-1.0°C	+/-1.0°C	+/-1.0°C	+/-1.0°C
Accuracy #AC(above -33°C)	0~500: +/-2%,2°C -60~0: +/-(2+0.05/deg)°C	+/-2%,2°C	+/-2%,2°C	+/-2%,2°C	-33~0:+/-(1°C +0.1/degree) 0~ 65: +/-1°C above 65:+/-1.5%	+/-2%,2°C	above 0: +/-2%,2°C -60~0: +/-(2+0.05/deg)° C	above 0: +/-2%,2°C -60~0: +/-(2+0.05/deg)° C	above 0: +/-2%,2°C -60~0:+/-(2+0.05/deg)° C	+/-2%,2°C	above 0: +/-2%,2°C -60~0:+/-(2+0.05/deg)° C	+/-2%,2°C
Resolution	0.1°C/0.1°F at -9.9~199.9°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	0.1°C/0.1°F at -9.9~199.9°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	0.1°C/0.1°F at -9.9~199.9°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	0.1°C/0.1°F at -9.9~199.9°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	0.1°C/0.1°F at -9.9~199.9°C/°F , otherwise 1°C/1°F//0.1° C/0.1°F at -83.2 to 999.9(°C/°F), otherwise 1°C/1°F for Color type	0.1°C/0.1°F at -9.9~199.9°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	0.1°C/0.1°F at -9.9~199.9°C/°F , otherwise 1°C/1°F
Repeatability 25°C#RP	0.15°C	0.15°C	0.15°C	0.15°C	0.15°C	0.15°C	0.15°C	0.15°C	0.15°C	0.15°C	0.15°C	0.15°C
Repeatability 80°C	0.75°C	0.75°C	0.75°C	0.75°C	0.75°C	0.75°C	0.75°C	0.75°C	0.75°C	0.75°C	0.75°C	0.75°C
Standard COC Point	-30,0,200,400°C	-30,0,200,400°C	-30,0,200,400°C TCP:~6.0mV	-30,0,200,400°C TCP:~6.0mV	-30, 0, 200	-30,0,200,400°C TCP:~6.0mV	-30,0,200,400°C	-30,0,200,400°C	-30,0,200,400°C TCP:~6.0mV	-30,0,200,400°C	-30,0,200,400°C	-30,0,200,400°C TCP:~6.0mV
Response Time (90%) #RTI	1sec	1sec	1sec	1sec	1sec	1sec	1sec	1sec	1sec	1sec	1sec	1sec
D:S	12:1	12:1	12:1	12:1	12:1	20:1	9:1//12:1	12:1//16:1	12:1//16:1//30:1	12:01	12:1//16:1	12:1
Emissivity	Fixed0.95	Fixed0.95	0.1~1 Step.01	0.1~1 Step.01	0.1~1 Step.01	0.1~1 Step.01	Fixed0.95	Fixed0.95	0.1~1 Step.01	Fixed0.95	Fixed0.95	0.1~1 Step.01
Update Frequency(about)	1.4Hz	1.4Hz	1.4Hz	1.4Hz	1.4Hz	1.4Hz	1.4Hz	1.4Hz	1.4Hz	1.4Hz	1.4Hz	1.4Hz
Dimension [mm]	71.72*38.97*175.18mm	71.72*38.97*175.18mm	71.72*38.97*175.18mm	71.72*38.97*175.18mm	71.72*38.97*175.18mm	71.72*38.97*175.18mm				133*49*146mm	133*49*146mm	133*49*146mm
Dimension [inch]	2.8"*1.5"*7.0"	2.8"*1.5"*7.0"	2.8"*1.5"*7.0"	2.8"*1.5"*7.0"	2.8"*1.5"*7.0"	2.8"*1.5"*7.0"				5.2*1.9*5.8"	5.2*1.9*5.8"	5.2*1.9*5.8"
Wave Length	5~14um	**8-14um**	8-14um	8-14um	8-14um	8-14um	5~14um//8~14um	5~14um//8~14um	8-14um	8~14um	5~14um//8~14um	8-14um
Weight (with battery) [g/oz]	179g/6.3oz	179g/6.3oz	179g/6.3oz	179g/6.3oz	179g/6.3oz	179g/6.3oz				221.8g/7.8oz	221.8g/7.8oz	221.8g/7.8oz
Weight (no battery) [g/oz]	156.4g/5.5oz	156.4g/5.5oz	156.4g/5.5oz	156.4g/5.5oz	156.4g/5.5oz	156.4g/5.5oz				198.8g/7.0oz	198.8g/7.0oz	198.8g/7.0oz
Thermocouple Probe:	NA	NA	K type,Small Socket	K type,Small Socket	T type,Small Socket	K type,Small Socket	NA	NA	K type,Small Socket	NA	NA	K type,Small Socket
Measurement Range (for TN3 TN4: Warning: the actual range depends on the probe spec)	NA	NA	-64~1400°C	-64~1400°C	-60~350°C	-64~1400°C	NA	NA	-64~1400°C	NA	NA	-64~1400°C
Accuracy of Thermocouple #ACpb	NA	NA	+/-1%,1°C #APs	+/-1%,1°C #APs	**below -5 :+/-1°C -5~ 65 : +/-0.5°C above 65 :+/-1%**	+/-1%,1°C #APs	NA	NA	+/-1%,1°C #APs	NA	NA	+/-1%,1°C #APs
Repeatability 25°C#RP	NA	NA					NA	NA		NA	NA	
Thermocouple Auto PowerOff	NA	NA	12minutes	12minutes	12minutes	12minutes	NA	NA	12minutes	NA	NA	12minutes
Probe Response Time (90%, in still water)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mode	rtMax	Ave,Dif,Max,Min,Lock // rtMax	Ave,Dif,HiLow Alarm Max,Min,Lock	Ave,Dif,HiLow Alarm Max,Min,Lock	Ave,Dif,HiLow Alarm Max,Min,Lock	Ave,Dif,HiLow Alarm Max,Min,Lock	rtMax	rtMax	Ave,Dif,HiLow Alarm Max,Min,Lock	rtMax	rtMax	Ave,Dif,HiLow Alarm Max,Min,Lock
IP rating	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Power Supply	AAAx2	AAAx2	AAAx2	AAAx2	AAAx2	AAAx2	AAAx2	AAAx2	AAAx2	AAAx2	AAAx2	AAAx2
Battery Life,Typical #BL#BW	18hr, (with laser, backlite)	18hr, (with laser, backlite)	180/18hr (no/with Laser,Backlit)	180/18hr (no/with Laser,Backlit)	180/18hr (no/with Laser,Backlit)	180/18hr (no/with Laser,Backlit)	18hr, (with laser, backlite)	18hr, (with laser, backlite)	180/18hr (no/with Laser,Backlit)	18hr, (with laser, backlite)	18hr, (with laser, backlite)	180/18hr (no/with Laser,Backlit)
!Battery Life, Min	14hr	14hr	140hr	140hr	140hr	14hr	14hr	14hr	140hr	14hr	14hr	140hr
Special Features	Laser;Backlit	Laser;Backlit	Backlit; Buzzer	Backlit; Buzzer	Backlit; Buzzer	Laser;Backlit	Laser;Backlit	Laser;Backlit	Backlit; Buzzer	Laser;Backlit	Laser;Backlit	Backlit; Buzzer
Options:	Holster, 400 no Buzzer	Holster, 400 no Buzzer	Laser Pointer; Holster	Laser Pointer; Holster	Holster	Holster	Flash light; holster	Flash light; holster	Flash light; Holster,Color LCD	Flash light(E); holster	Flash light(E); holster	Flash light; Holster
ColorBox Dim. #n	95*115*57mm	95*115*57mm	95*115*57mm	95*115*57mm	95*115*57mm	95*115*57mm	N/A	N/A	N/A	95*115*57mm	95*115*57mm	95*115*57mm
G.W.(ColorBox)#n	251.5g	251.5g	251.5g	251.5g	251.5g	251.5g??	N/A	N/A	N/A	251.5g	251.5g	251.5g
Blister Dimension	252.3*157.6*70.5mm	252.3*157.6*70.5mm	252.3*157.6*70.5mm	252.3*157.6*70.5mm	252.3*157.6*70.5mm	252.3*157.6*70.5mm				252.3*157.6*70.5mm	252.3*157.6*70.5mm	252.3*157.6*70.5mm
G.W. (Blister)	317.5g	317.5g	317.5g	317.5g	317.5g	317.5g??				317.5g	317.5g	317.5g
MetalBox Dimension	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
G.W. (MetalBox)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ToolBox Dimension	410*190*50mm	410*190*50mm	410*190*50mm	410*190*50mm	410*190*50mm	410*190*50mm	N/A	N/A	N/A	339*196*64mm	339*196*64mm	339*196*64mm
G.W.(ToolBox)	884.5g	884.5g	884.5g	884.5g	884.5g	884.5g	N/A	N/A	N/A	771.5g	771.5g	771.5g

Model No	TN410LD	TN410LB	TN418L3	TN418L1//TN418L2	TN418L1(EXG)	TN418LC(XG)// TN418L9	TN418LD	TN418LB	TN418L0(EY)/TN418L0(EZ)	TN418LD(E)Z	TN418LD(E)Z	TN418LD(EZG)	TN418LCR(Y/X)	TN419LB(E)
Photo														
Description	IRT + Laser+ Thermocouple socket	IRT + Laser+ Thermocouple socket	IRT + Laser	IRT + Laser	IRT + Laser (8 Beam & Color LCD)	IRT + Laser+ Thermocouple socket (8 Beam & Color LCD)	IRT + Laser+ Thermocouple socket	IRT + Laser+ Thermocouple socket	IRT + Single Laser (Dual beam)	IRT + Laser+ Thermocouple socket (Dual beam)	IRT + Laser+ Thermocouple socket (Dual beam)	IRT + Laser+ Thermocouple socket (Dual beam & Color LCD)	IRT + Laser+ Thermocouple socket (2/8 Beam & RH+DP)	IRT+Dual Laser+ Thermocouple socket
#FFP:=Feature for Promotion	2in1s	2in1s	rtMAX	rtMAX	rtMAX	2in1s	2in1s	2in1s	rtMAX	2in1s	2in1s	2in1s	2in1s	2in1s
Status of Sample/Production	Prodcution	Prodcution	Production	Production	Production	Prodcution	Prodcution	Prodcution	Production	Prodcution	Prodcution	Prodcution	Jun/Jul-2015	Aug/Sep-2008
Measurement Range	-60~625°C(-76~1157F)	-60~760C(-76~1400F)	-60~500C(-76~932°F)	-60~500°C(-76~932° F)// -60~625C(-76~1157°F)	-60~500°C(-76~932°F)	-60~500°C(-76~932F) // -60~760C(-76~1400F)	-60~625°C(-76~1157F)	-60~760C(-76~1400F)	-60~500°C(-76~932°F) -60~550C(-76~1022°F)	-60~625°C(-76~1157F)	-60~625°C(-76~1157F)	-60~625°C(-76~1157F)	-60~500°C(-76~932F)	-60~760C(-76~1400F)
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	0~50°C 32~122°F	0~50°C 32~122°F	0~50°C 32~122°F	0~50°C 32~122°F
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	+/-1.0°C	+/-1.0°C	+/-1.0°C	+/-1.0°C	+/-1.0°C	+/-1.0°C	+/-1.0°C
Accuracy #AC(above -33°C)	above 0: +/-2%,2°C -60~0: +/-(2+0.05/deg)°C	+/-2%,2°C	+/-2%,2°C	above 0: +/-2%,2°C -60~0: +/-(2+0.05/deg)°C	above 0: +/-2%,2°C -60~0: +/-(2+0.05/deg)°C	+/-2%,2°C	above 0: +/-2%,2° C -60~0: +/-(2+0.05/deg)°C	+/-2%,2°C	above 0: +/-2%,2°C -60~0: +/-(2+0.05/deg)°C	above 0: +/-2%,2°C -60~0: +/-(2+0.05/deg)°C	above 0: +/-2%,2°C -60~0: +/-(2+0.05/deg)°C	above 0: +/-2%,2°C -60~0: +/-(2+0.05/deg)°C	above 0: +/-2%,2°C -60~0:+/-(2+0.05/deg)°C	above 0: +/-2%,2° C -60~0: +/-(2+0.05/deg)°C
Resolution	0.1°C/0.1°F at -9.9~199.9°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	0.1°C/0.1°F at -9.9~199.9°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	0.1°C/0.1°F at -9.9~199.9°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	0.1°C/0.1°F at -9.9~199.9°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	0.1°C/0.1°F at -9.9~199.9°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	0.1°C/0.1°F at -9.9~199.9°C/°F , otherwise 1°C/1°F	0.1°C/0.1°F at -83.2 to 999.9(°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	0.1°C/0.1°F at -83.2 to 999.9(°C/°F), otherwise 1° C/1°F
Repeatability 25°C#RP	0.15°C	0.15°C	0.15°C	0.15°C	0.15°C	0.15°C	0.15°C	0.15°C	0.15°C	0.15°C	0.15°C	0.15°C	0.15°C	0.15°C
Repeatability 80°C	0.75°C	0.75°C	0.75°C	0.75°C	0.75°C	0.75°C	0.75°C	0.75°C	0.75°C	0.75°C	0.75°C	0.75°C	0.75°C	0.75°C
Standard COC Point	-30,0,200,400°C TCP:~6.0mV	-30,0,200,400°C TCP:~6.0mV	-30,0,200,400°C	-30,0,200,400°C	-30,0,200,400°C	-30,0,200,400°C TCP:~6.0mV	-30,0,200,400°C TCP:~6.0mV	-30,0,200,400°C TCP:~6.0mV	-30,0,200,400°C	-30,0,200,400°C TCP:~6.0mV	-30,0,200,400°C TCP:~6.0mV	-30,0,200,400°C TCP:~6.0mV	-30,0,200,400°C TCP:~6.0mV	-30,0,200,400°C TCP:~6.0mV
Response Time (90%) #RTI	1sec	1sec	1sec	1sec	1sec	1sec	1sec	1sec	1sec	1sec	1sec	1sec	1sec	1sec
D:S	16:1	30:1	12:1	12:1//16:1	12:1	12:1	16:1	30:1	12:1//15:1	16:1	16:1	16:1	12:1	30:1
Emissivity	0.1~1 Step.01	0.1~1 Step.01	Fixed0.95	Fixed0.95	Fixed0.95	0.1~1 Step.01	0.1~1 Step.01	0.1~1 Step.01	Fixed0.95	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
Update Frequency(about)	1.4Hz	1.4Hz	1.4Hz	1.4Hz	1.4Hz	1.4Hz	1.4Hz	1.4Hz	1.4Hz	1.4Hz	1.4Hz	1.4Hz	1.4Hz	1.4Hz
Dimension [mm]	133*49*146mm	133*49*146mm	143*46*185mm	143*46*185mm	143*46*185mm	143*46*185mm	143*46*185mm	143*46*185mm	143*46*185mm	143*46*185mm	143*46*185mm	143*46*185mm	143*46*185mm	195*121*46mm
Dimension [inch]	5.2*1.9*5.8"	5.2*1.9*5.8"	5.6*1.8*7.3"	5.6*1.8*7.3"	5.6*1.8*7.3"	5.6*1.8*7.3"	5.6*1.8*7.3"	5.6*1.8*7.3"	5.6*1.8*7.3"	5.6*1.8*7.3"	5.6*1.8*7.3"	5.6*1.8*7.3"	5.6*1.8*7.3"	7.6*4.7*1.8"
Wave Length	8-14um	8-14um	8~14um	5~14um//8~14um	5~14um	8-14um	8-14um	8-14um	5~14um	8-14um	8-14um	8-14um	8-14um	8-14um
Weight (with battery) [g/oz]	221.8g/7.8oz	221.8g/7.8oz	221.8g/7.8oz	221.8g/7.8oz	221.8g/7.8oz	221.8g/7.8oz	221.8g/7.8oz	221.8g/7.8oz	221.8g/7.8oz	221.8g/7.8oz	221.8g/7.8oz	221.8g/7.8oz	221.8g/7.8oz	282g/9.9oz
Weight (no battery) [g/oz]	198.8g/7.0oz	198.8g/7.0oz	198.8g/7.0oz	198.8g/7.0oz	198.8g/7.0oz	198.8g/7.0oz	198.8g/7.0oz	198.8g/7.0oz	198.8g/7.0oz	198.8g/7.0oz	198.8g/7.0oz	198.8g/7.0oz	198.8g/7.0oz	259g/9.1oz
Thermocouple Probe:	K type,Small Socket	K type,Small Socket	NA	NA	NA	K type,Small Socket	K type,Small Socket	K type,Small Socket	NA	K type,Small Socket	K type,Small Socket	K type,Small Socket	K type,Small Socket	K type,Small Socket
Measurement Range (for TN3 TN4: Warning: the actual range depends on the probe spec)	-64~1400°C	-64~1400°C	NA	NA	NA	-64~1400°C	-64~1400°C	-64~1400°C	NA	-64~1400°C	-64~1400°C	-64~1400°C	-64~1400°C	-64~1400°C
Accuracy of Thermocouple #ACpb	+/-1%,1°C #APs	+/-1%,1°C #APs	NA	NA	NA	+/-1%,1°C #APs	+/-1%,1°C #APs	+/-1%,1°C #APs	NA	+/-1%,1°C #APs	+/-1%,1°C #APs	+/-1%,1°C #APs	+/-1%,1°C #APs	+/-1%,1°C #APs
Repeatability 25°C#RP			NA	NA	NA				NA					
Thermocouple Auto PowerOff	12minutes	12minutes	NA	NA	NA	12minutes	12minutes	12minutes	NA	12minutes	12minutes	12minutes	12minutes	12minutes
Probe Response Time (90%, in still water)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mode	Ave,Dif,HiLow Alarm Max,Min,Lock	Ave,Dif,HiLow Alarm Max,Min,Lock	rtMax	rtMax	rtMax	Ave,Dif,HiLow Alarm Max,Min,Lock	Ave,Dif,HiLow Alarm Max,Min,Lock	Ave,Dif,HiLow Alarm Max,Min,Lock	rtMax	Ave,Dif,HiLow Alarm Max,Min,Lock	Ave,Dif,HiLow Alarm Max,Min,Lock	Ave,Dif,HiLow Alarm Max,Min,Lock	Ave,Dif,HiLow Alarm Max,Min,Lock	Ave,Dif,HiLow Alarm Max,Min,Lock
IP rating	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Power Supply	AAAx2	AAAx2	AAAx2	AAAx2	AAAx2	AAAx2	AAAx2	AAAx2	AAAx2	AAAx2	AAAx2	AAAx2	AAAx2	AAAx2
Battery Life,Typical #BL#BW	180/18hr (no/with Laser,Backlit)	180/18hr (no/with Laser,Backlit)	18hr, (with laser, backlite)	18hr, (with laser, backlite)	18hr, (with laser, backlite)	180/18hr (no/with Laser,Backlit)	180/18hr (no/with Laser,Backlit)	180/18hr (no/with Laser,Backlit)	18hr, (with laser, backlite)	180/18hr (no/with Laser,Backlit)	180/18hr (no/with Laser,Backlit)	180/18hr (no/with Laser,Backlit)	180/18hr (no/with Laser,Backlit)	180/18hr (no/with Laser,Backlit)
!Battery Life, Min	140hr	140hr	14hr	14hr	14hr	140hr	140hr	140hr	14hr	140hr	140hr	140hr	140hr	140hr
Special Features	Backlit; Buzzer	Backlit; Buzzer	Laser;Backlit	Laser;Backlit	Laser;Backlit	Backlit; Buzzer	Backlit; Buzzer	Backlit; Buzzer	Laser;Backlit	Backlit; Buzzer	Backlit; Buzzer	Backlit; Buzzer	Backlit; Buzzer	Backlit; Buzzer
Options:	Flash light; Holster	Flash light; Holster	Flash light; holster	Flash light; holster	Flash light; holster, 8 beam,Color LCD	Flash light ; Holster , 8 beam ,Color LCD	Flash light; Holster	Flash light; Holster	Flash light; holster ,Dual beam	Flash light; Holster	Flash light; Holster	Flash light;Holster, 8 beam ,Color LCD	Holster , 8 beam	Flash light; Holster
ColorBox Dim. #n	95*115*57mm	95*115*57mm	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
G.W.(ColorBox)#n	251.5g	251.5g	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Blister Dimension	252.3*157.6*70.5mm	252.3*157.6*70.5mm	295*164*78.5mm	295*164*78.5mm	295*164*78.5mm	295*164*78.5mm	295*164*78.5mm	295*164*78.5mm	295*164*78.5mm	295*164*78.5mm	295*164*78.5mm	295*164*78.5mm	295*164*78.5mm	295*164*78.5mm
G.W. (Blister)	317.5g	317.5g	375g	375g	375g	375g	375g	375g	375g	375g	375g	375g	375g	412.2g
MetalBox Dimension	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
G.W. (MetalBox)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ToolBox Dimension	339*196*64mm	339*196*64mm	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
G.W.(ToolBox)	771.5g	771.5g	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Model No	TN419LC(E)	TN419LD(E)	TN438L0	TN439L0//TN439L1	TN436L2	TN436L0//TN436L1	TN430LC	TN430L2	TN430L0//TN430L1	TN433L0//TN433L1	TN433L2	TN43CL0//1(Y/X)
Photo												
Description	IRT + Dual Laser+ Thermocouple socket	IRT + Dual Laser+ Thermocouple socket	IRT + Laser	IRT + Laser	IRT + Laser	IRT + Laser	IRT + Laser+ Thermocouple socket	IRT + Laser	IRT + Laser	IRT + Laser (white backlight)	IRT + Laser (white backlight)	IRT + Laser (Blue backlight)
#FFP:=Feature for Promotion	2in1s	2in1s	rtMAX, 9VL	rtMAX, 9VL	multimodes, 9VL	multimodes, 9VL	2in1s	multimodes, 9VL	multimodes, 9VL	rtMAX	rtMAX	rtMAX
Status of Sample/Production	Aug/Sep-2008	Aug/Sep-2008	Production	Production	Jun/Jul-2009	Jun/Jul-2009	Jul/Sep/2010	Jul/Sep/2010	Jul/Sep/2010	Jun/Jul-2012	Jun/Jul-2012	Jun/Jul-2015
Measurement Range	-60~550C(-76~1022F)	-60~625C(-76~1157F)	-38~365degC (-31~689degF)	-38~365degC// -50~460degC	-60~550degC	-38~365degC// -50~460degC	-60~550degC	-60~550degC	-38~365degC// -50~460degC	-38~365degC// -50~460degC	-60~550degC	-38~365degC// -50~460degC
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	0~50°C 32~122°F	0~50°C 32~122°F
Accuracy, Tobj=15-35°C Tamb=25°C	+/-1.0°C	+/-1.0°C	+/-1.5degC	+/-1.5degC	+/-1.5degC	+/-1.5degC	+/-1.5degC	+/-1.5degC	+/-1.5degC	+/-1.5degC	+/-1.5degC	+/-1.5degC
Accuracy #AC(above -33°C)	above 0: +/-2%,2° C -60~0: +/-(2+0.05/deg)°C	above 0: +/-2%,2° C -60~0: +/-(2+0.05/deg)°C	-38~0degC: +/- (2.5+0.05/degC) 0~365degC:	-50~0degC: +/-(2.5+0.05/degC) 0~460degC: +/-2.5%, 2.5degC	-60~0degC: +/-(2+0.05/degC) 0~550degC: +/-2%, 2degC	-50~0degC: +/-(2.5+0.05/degC) 0~460degC: +/-2.5%, 2.5degC	-60~0degC: +/-(2+0.05/degC) 0~550degC: +/-2%, 2degC	-60~0degC: +/-(2+0.05/degC) 0~550degC: +/-2%, 2degC	-50~0degC: +/-(2.5+0.05/degC) 0~460degC: +/-2.5%, 2.5degC	-50~0degC: +/-(2.5+0.05/degC) 0~460degC: +/-2.5%, 2.5degC	-60~0degC: +/-(2+0.05/degC) 0~550degC: +/-2%, 2degC	-50~0degC: +/-(2.5+0.05/degC) 0~460degC: +/-2.5%, 2.5degC
Resolution	0.1°C/0.1°F at -83.2 to 999.9(°C/°F), otherwise 1° C/1°F	0.1°C/0.1°F at -83.2 to 999.9(°C/°F), otherwise 1° C/1°F	0.2C / 0.5F at -9.9~199.9°C/°F , otherwise 1°C/1° F	0.2C / 0.5F 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	0.2C / 0.5F	0.1°C/0.1°F at -83.2 to 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	0.2C / 0.5F	0.2C / 0.5F	0.1°C/0.1°F at -76~999.9°C/°F , otherwise 1°C/1°F	0.2C / 0.5F
Repeatability 25°C#RP	0.15°C	0.15°C	0.2degC	0.2degC	0.2degC	0.2degC	0.2degC	0.2degC	0.2degC	0.2degC	0.2degC	0.2degC
Repeatability 80°C	0.75°C	0.75°C	0.80degC	0.80degC	0.80degC	0.80degC	0.80degC	0.80degC	0.80degC	0.80degC	0.80degC	0.80degC
Standard COC Point	-30,0,200,400°C TCP:~6.0mV	-30,0,200,400°C TCP:~6.0mV	-30,0,200	-30,0,200	-30,0,200,400	-30,0,200	-30,0,200,400	-30,0,200,400	-30,0,200	-30,0,200	-30,0,200,400	-30,0,200
Response Time (90%) #RTI	1sec	1sec	1sec	1sec	1sec	1sec	1sec	1sec	1sec	1sec	1sec	1sec
D:S	12:1	16:1	8:1	8:1	12:1	12:1	12:1	12:1	12:1	12:1	12:1	12:1
Emissivity	0.1~1 Step.01	0.1~1 Step.01	Fixed0.95	Fixed0.95	0.1~1 Step.01	0.70/0.95	0.1~1 Step.01	0.1~1 Step.01	0.70/0.95	Fixed0.95	Fixed0.95	Fixed0.95
Update Frequency(about)	1.4Hz	1.4Hz	1.4Hz	1.4Hz	1.4Hz	1.4Hz	1.4Hz	1.4Hz	1.4Hz	1.4Hz	1.4Hz	1.4Hz
Dimension [mm]	195*121*46mm	195*121*46mm	166*64*34mm	173*72*36mm	147.93*112.58*41.36mm	147.93*112.58*41.36mm	152.97*114.3*47.57mm	152.97*114.3*47.57mm	152.97*114.3*47.57mm	!TBD Allen	!TBD Allen	!TBD Allen
Dimension [inch]	7.6*4.7*1.8"	7.6*4.7*1.8"	6.6" × 1.3" × 2.5"	6.8" x 1.4" x 2.8"	5.8" x 4.4" x 1.6"	5.8" x 4.4" x 1.6"	6.02" x 4.5" x 1.87"	6.02" x 4.5" x 1.87"	6.02" x 4.5" x 1.87"	!TBD Allen	!TBD Allen	!TBD Allen
Wave Length	8-14um	8-14um	5~14um	5~14um	5~14um	5~14um	5~14um	5~14um	5~14um	8-14um	8-14um	8-14um
Weight (with battery) [g/oz]	282g/9.9oz	282g/9.9oz	113g/3.9oz	152g/5.3oz	145g/5.1oz	145g/5.1oz	177g/6.24oz	177g/6.24oz	177g/6.24oz	!TBD Allen	!TBD Allen	!TBD Allen
Weight (no battery) [g/oz]	259g/9.1oz	259g/9.1oz	90g/3.1oz	129g/4.5oz	122g/4.3oz	122g/4.3oz	154g/5.44oz	154g/5.44oz	154g/5.44oz	!TBD Allen	!TBD Allen	!TBD Allen
Thermocouple Probe:	K type,Small Socket	K type,Small Socket	NA	NA	NA	NA	K type,Small Socket	NA	NA	NA	NA	NA
Measurement Range (for TN3 TN4: Warning: the actual range depends on the probe spec)	-64~1400°C	-64~1400°C	NA	NA	NA	NA	-64~1400°C	NA	NA	NA	NA	NA
Accuracy of Thermocouple #ACpb	+/-1%,1°C #APs	+/-1%,1°C #APs	NA	NA	NA	NA	+/-1%,1°C #APs	NA	NA	NA	NA	NA
Repeatability 25°C#RP			NA	NA	NA	NA		NA	NA	NA	NA	NA
Thermocouple Auto PowerOff	12minutes	12minutes	NA	NA	NA	NA	12minutes	NA	NA	NA	NA	NA
Probe Response Time (90%, in still water)	NA	NA	na	na	na	na	na	na	NA	NA	NA	NA
Mode	Ave,Dif,HiLow Alarm Max,Min,Lock	Ave,Dif,HiLow Alarm Max,Min,Lock	rt Max	rt Max	Ave,Dif,HiLow Alarm Max,Min,Lock	C/F, Max, Lock	Ave,Dif,HiLow Alarm Max,Min,Lock	Ave,Dif,HiLow Alarm Max,Min,Lock	C/F, Max, Lock	rtMax	rtMax	rtMax
IP rating	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Power Supply	AAAx2	AAAx2	AAA*2	AAA*2	AAA*2	AAA*2	AAA*2	AAA*2	AAA*2	AAA*2	AAA*2	AAA*2
Battery Life,Typical #BL#BW	180/18hr (no/with Laser,Backlit)	180/18hr (no/with Laser,Backlit)	18hr, (with laser, backlite)	18hr, (with laser, backlite)	18hr, (with laser, backlite)	18hr, (with laser, backlite)	18hr, (with laser, backlite)	18hr, (with laser, backlite)	18hr, (with laser, backlite)	18hr, (with laser, backlite)	18hr, (with laser, backlite)	18hr, (with laser, backlite)
!Battery Life, Min	140hr	140hr	14hr	14hr	14hr	14hr	14hr	14hr	14hr	14hr	14hr	14hr
Special Features	Backlit; Buzzer	Backlit; Buzzer	Laser;Backlit	Laser;Backlit	Laser;Backlit	Laser;Backlit	Backlit; Buzzer	Backlit; Buzzer	Laser;Backlit	Laser;Backlit	Laser;Backlit	Laser;Backlit
Options:	Flash light; Holster	Flash light; Holster	holster	holster	holster	holster	holster	holster	holster	holster	holster	holster
ColorBox Dim. #n	N/A	N/A	N/A	N/A	95*115*57mm	95*115*57mm	95*115*57mm	95*115*57mm	!TBD Ivan	!TBD Ivan	!TBD Ivan	!TBD Ivan
G.W.(ColorBox)#n	N/A	N/A	N/A	N/A	273.7g	273.7g	!TBD Ivan	!TBD Ivan	!TBD Ivan	!TBD Ivan	!TBD Ivan	!TBD Ivan
Blister Dimension	295*164*78.5mm	295*164*78.5mm	231*135*40mm	231*135*40mm	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
G.W. (Blister)	412.2g	412.2g	TBD	TBD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MetalBox Dimension	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
G.W. (MetalBox)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ToolBox Dimension	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
G.W.(ToolBox)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

TN43CL3(Y/X)	TN43SL1	TN43SL2/TN43SL2Y	TN43PL1	TN43PL2/TN43PL2Y	TN49SLCU(GX) // TN49SLBU(GX)	TN458LC	TN468LC(E)	TN498L1(E)	TN498LB(E)	TN498LC(E)	TN498LD(EY)	TN498LB(EY)	TN498LC(EY)	TN499LC(EY/X) // TN499LD(EY) // TN499LB(EY) //	TN496LC(EY/X) // TN496LD(EY) // TN496LB(EY) //	TN497LC(EY/X) // TN497LD(EY) // TN497LB(EY) //	TN425LCE	TN425LBE	TN425LE	TN425LAE	TN425LME	TN425LNE	TN475LC(E)	TN423LBE	TN423LAE	TN768LC(U)	TN768LB(U)	TN768LD(U)	TN758LCUK(G)	TN758LBUK(G)	TN568LC1	TN568LC2	TN568LC0
					//																												
IRT + Laser (Blue backlight)	IRT + Laser	IRT + Laser / Dual beam Laser	IRT + Laser	IRT + Laser/ Dual beam Laser	IRT + Thermocouple socket + Blue backlight+ MiniUSB + Dual Laser (Color LCD / 8 beam)	Gun Type + Probe + ZoneDisplay	Gun Type + Probe + ZoneDisplay	IRT + Dual Laser	IRT + Dual Laser+ Thermocouple socket	IRT + Dual Laser+ Thermocouple socket	IRT + Dual Laser+ Thermocouple socket (dual beam)	IRT + Dual Laser+ Thermocouple socket (dual beam)	IRT + Dual Laser+ Thermocouple socket (dual beam)	IRT + Color LCD+ Thermocouple socket (Dual Laser or Dual beam / 8 beam)	IRT+ Thermocouple socket (Dual Laser or Dual beam / 8 beam)	IRT + Color LCD+ Thermocouple socket (Dual Laser or Dual beam / 8 beam)	50:1 IRT + Dual Laser+ Thermocouple socket	50:1 IRT + Dual Laser+ Thermocouple socket	50:1 IRT + Dual Laser	50:1 IRT + Dual Laser+ Thermocouple socket	50:1 IRT + Dual Laser+ Thermocouple socket	50:1 IRT + Dual Laser+ Thermocouple socket	75:1 IRT + Dual Laser+ Thermocouple socket	35:1 IRT + Dual Laser+ Thermocouple socket	35:1 IRT + Dual Laser+ Thermocouple socket	75:1 IRT + Dual Laser+ Thermocouple socket (USB)	75:1 IRT + Dual Laser+ Thermocouple socket (USB)	50:1 IRT + Dual Laser+ Thermocouple socket (USB)	60:1 IRT + Dual Laser+ Thermocouple socket (USB,SD Card)	75:1 IRT + Dual Laser+ Thermocouple socket (USB,SD Card)	100:1 IRT + Dual Laser+ Thermocouple socket	100:1 IRT + Dual Laser+ Thermocouple socket	100:1 IRT + Dual Laser+ Thermocouple socket
rtMAX	multimodes, 9VL	multimodes, 9VL	multimodes, 9VL	multimodes, 9VL	2in1s	2in1; ZoDi	2in1; Torch,ZoDi	rtMAX	2in1s	2in1s	2in1s	2in1s	2in1s	2in1s	2in1s	2in1s	dual laser,2in1s,Tripod	dual laser,2in1s,Tripod	dual laser,Tripod	dual laser,2in1s,Tripod	dual laser,2in1s,Tripod, Memory(temp & emiss)	dual laser,2in1s,Tripod, Memory(temp & emiss)	dual laser,2in1s,Tripod	2in1s	2in1s	dual laser,2in1s,Tripod, Memory(temp & emiss)	dual laser,2in1s,Tripod, Memory(temp & emiss)	dual laser,2in1s,Tripod, Memory(temp & emiss)	dual laser,2in1s,Tripod, Memory(temp & emiss)	dual laser,2in1s,Tripod, Memory(temp & emiss)	dual laser,2in1s,Tripod, Memory(temp & emiss)	dual laser,2in1s,Tripod, Memory(temp & emiss)	dual laser,2in1s,Tripod, Memory(temp & emiss)
Jun/Jul-2015	Jul/Sep/2011	Jul/Sep/2011	Oct/Nov/2012	Sep/Nov/2012	Aug/Sep-2013	Dec-2007// Jan-2008	Dec-2007// Jan-2008	Jun/Jul-2010	Aug/Sep-2009	Aug/Sep-2009	Jun/Jul-2011	Jun/Jul-2011	Jun/Jul-2011	Aug/Sep-2011	Jun/Jul-2012	Jun/Jul-2012	Production	Production	Production	Production	Production	Production	Production	Production	Production	Jun/Jul-2012	Jun/Jul-2012	Production	Jun/Jul-2015	Jun/Jul-2015	Jul/Sep/2010	Jul/Sep/2010	Nov/Dec/2010
-60~550degC	-50~460degC	-60~550degC	-50~460degC	-60~550degC	-60~550C(-76~1022F)// '-60~760C(-76~1400F)	-55~250°C -67~482°F	-55~250°C -67~482°F	-60~550C(-76~1022F)	-60~760C(-76~1400F)	-60~550C(-76~1022F)	-60~625C(-76~1157F)	-60~760C(-76~1400F)	-60~550C(-76~1022F)	-60~550C(-76~1022F)// '-60~625C(-76~1157F)// '-60~760C(-76~1400F)	-60~550C(-76~1022F)// '-60~625C(-76~1157F)// '-60~760C(-76~1400F)	-60~550C(-76~1022F)// '-60~625C(-76~1157F)// '-60~760C(-76~1400F)	-60~1000°C (-76~1832°F)	-60~1500°C (-76~2732°F)	-60~1000°C (-76~1832F)	-60~1200°C (-76~2192°F)	-60~1000°C (-76~1832°F)	-60~1500°C (-76~2732°F)	-60~1600°C (-76~2912°F)	-60~1000°C (-76~1832F)	-60~1500°C (-76~2732°F)	-35~1500°C (-31~2732°F)	100~1800°C (-212~3272°F)	-60~1500°C (-76~2732°F)	-35~1600°C (-31~2912°F)	100~2000°C (-212~3632°F)	100~1800°C (212~3272°F)	200~2400°C (392~4352°F)	-60~1500°C (-76~2732°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	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	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	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
+/-1.5degC	+/-1.5degC	+/-1.5degC	+/-1.5degC	+/-1.5degC	+/-1.0°C	+/-0.6°C	+/-0.6°C	+/-1.0°C	+/-1.0°C	+/-1.0°C	+/-1.0°C	+/-1.0°C	+/-1.0°C	+/-1.0°C	+/-1.0°C	+/-1.0°C	+/-1.0°C	+/-1.0°C	+/-1.0°C	+/-1.0°C	+/-1.0°C	+/-1.0°C	+/-1.0°C	+/-1.0°C	+/-1.0°C	NA	NA	+/-1.0°C	NA	NA	NA	NA	+/-1.0°C
-60~0degC: +/-(2+0.05/degC) 0~550degC: +/-2%, 2degC	-50~0degC: +/-(2.5+0.05/degC) 0~460degC: +/-2.5%, 2.5degC	-60~0degC: +/-(2+0.05/degC) 0~550degC: +/-2%, 2degC	-50~0degC: +/-(2.5+0.05/degC) 0~460degC: +/-2.5%, 2.5degC	-60~0degC: +/-(2+0.05/degC) 0~550degC: +/-2%, 2degC	above 0: +/-2%,2°C -60~0: +/-(2+0.05/deg)°C	-55~0:+/-(1°C +0.1/degree) 0~ 65: +/-1°C 65~250:+/-1.5%	-55~0:+/-(1°C +0.1/degree) 0~ 65: +/-1°C 65~250:+/-1.5%	above 0: +/-2%,2°C -60~0: +/-(2+0.05/deg)°C	above 0: +/-2%,2°C -60~0: +/-(2+0.05/deg)°C	above 0: +/-2%,2°C -60~0: +/-(2+0.05/deg)°C	above 0: +/-2%,2°C -60~0: +/-(2+0.05/deg)°C	above 0: +/-2%,2°C -60~0: +/-(2+0.05/deg)°C	above 0: +/-2%,2°C -60~0: +/-(2+0.05/deg)°C	above 0: +/-2%,2°C -60~0: +/- (2+0.05/deg)°C	above 0: +/-2%,2°C -60~0: +/-(2+0.05/deg)° C	above 0: +/-2%,2°C -60~0: +/- (2+0.05/deg)°C	+/-2%,2°C	+/-2%,2°C	+/-2%,2°C	+/-2%,2°C	+/-2%,2°C	+/-2%,2°C	above 0: +/-2%,2°C -60~0: +/- (2+0.05/deg)°C	+/-2%,2°C	+/-2%,2°C	above 0: +/-2%,2°C -60~0: +/-(2+0.05/deg)° C	+/-2%,2°C	+/-2%,2°C	above 0: +/-2%,2°C -35~0: +/-(2+0.05/deg)° C	+/-2%,2°C	+/-2%,2°C	+/-2%,2°C	above 0: +/-2%,2°C -60~0: +/-(2+0.05/deg)°C
0.1°C/0.1°F at -76~999.9°C/°F , otherwise 1°C/1°F	0.2C / 0.5F	0.1°C/0.1°F at -76~999.9°C/°F , otherwise 1°C/1°F	0.2C / 0.5F	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 to 999.9(°C/°F), otherwise 1°C/1°F	0.2C / 0.5F at -9.9~199.9°C/°F , otherwise 1°C/1°F	0.2C / 0.5F at -9.9~199.9°C/°F , otherwise 1°C/1°F	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 -83.2 to 999.9(°C/°F), otherwise 1°C/1°F	0.1°C/0.1°F at -83.2 to 999.9(°C/°F), otherwise 1°C/1°F	0.1°C/0.1°F at -83.2 to 999.9(°C/°F), otherwise 1°C/1°F	0.1°C/0.1°F at -83.2 to 999.9(°C/°F), otherwise 1°C/1°F	0.1°C/0.1°F at -83.2 to 999.9(°C/°F), otherwise 1°C/1°F	0.1°C/0.1°F at -83.2 to 999.9(°C/°F), otherwise 1°C/1°F	0.1°C/0.1°F at -83.2 to 999.9(°C/°F), otherwise 1°C/1°F	0.1°C/0.1°F at -83.2 to 999.9(°C/°F), otherwise 1°C/1°F	0.1°C/0.1°F at -83.2 to 999.9(°C/°F), otherwise 1°C/1°F	0.1°C/0.1°F at -83.2 to 999.9(°C/°F), otherwise 1°C/1°F	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 -83.2 to 999.9(°C/°F), otherwise 1°C/1°F	0.1°C/0.1°F at -83.2 to 999.9(°C/°F), otherwise 1°C/1°F	0.1°C/0.1°F at -83.2 to 999.9(°C/°F), otherwise 1°C/1°F	0.1°C/0.1°F at -83.2 to 999.9(°C/°F), otherwise 1°C/1°F	0.1°C/0.1°F at -83.2 to 999.9(°C/°F), otherwise 1°C/1°F	0.1°C/0.1°F at -83.2 to 999.9(°C/°F), otherwise 1°C/1°F	0.1°C/0.1°F at -83.2 to 999.9(°C/°F), otherwise 1°C/1°F	0.1°C/0.1°F at -83.2 to 999.9(°C/°F), otherwise 1°C/1°F	0.1°C/0.1°F at -83.2 to 999.9(°C/°F), otherwise 1°C/1°F	0.1°C/0.1°F at -83.2 to 999.9(°C/°F), otherwise 1°C/1°F	0.1°C/0.1°F at -83.2 to 999.9(°C/°F), otherwise 1°C/1°F	0.1°C/0.1°F at -83.2 to 999.9(°C/°F), otherwise 1°C/1°F	0.1°C/0.1°F at -83.2 to 999.9(°C/°F), otherwise 1°C/1°F	0.1°C/0.1°F at -83.2 to 999.9(°C/°F), otherwise 1°C/1°F
0.2degC	0.2degC	0.2degC	0.2degC	0.2degC	0.15°C	0.2°C	0.2°C	0.15°C	0.15°C	0.15°C	0.15°C	0.15°C	0.15°C	0.15°C	0.15°C	0.15°C	0.15°C	0.15°C	0.15°C	0.15°C	0.15°C	0.15°C	0.15°C	0.15°C	0.15°C	0.15°C	0.15°C	0.15°C	0.15°C	0.15°C	0.15°C	0.15°C	0.15°C
0.80degC	0.80degC	0.80degC	0.80degC	0.80degC	0.75°C	0.5°C	0.5°C	0.75°C	0.75°C	0.75°C	0.75°C	0.75°C	0.75°C	0.75°C	0.75°C	0.75°C	0.75°C	0.75°C	0.75°C	0.75°C	0.75°C	0.75°C	0.75°C	0.75°C	0.75°C	0.75°C	0.75°C	0.75°C	0.75°C	0.75°C	0.75°C	0.75°C	0.75°C
-30,0,200,400	-30,0,200,400	-30,0,200,400	-30,0,200,400	-30,0,200,400	-30,0,200,400°C TCP:~6.0mV	IRT: see TN1 TCP: -18, 0, 200	IRT: see TN1 TCP: -18,0,200	-30,0,200,400°C	-30,0,200,400°C TCP:~6.0mV	-30,0,200,400°C TCP:~6.0mV	-30,0,200,400°C TCP:~6.0mV	-30,0,200,400°C TCP:~6.0mV	-30,0,200,400°C TCP:~6.0mV	-30,0,200,400°C TCP:~6.0mV	-30,0,200,400°C TCP:~6.0mV	-30,0,200,400°C TCP:~6.0mV	-30,0,200,400°C,900°C	-30,0,200,400°C,900°C	-30,0,200,400°C,900°C	-30,0,200,400°C,900°C	-30,0,200,400°C,900°C	-30,0,200,400°C,900°C	-30,0,200,400°C,900°C	-30,0,200,400°C,900°C	-30,0,200,400° C,,900°C	-30,0,200,400°C,,900°C	400°C,900°C,1200°C TCP:~6.0mV	-30,0,200,400°C,900°C	-30,0,200,400°C,,900°C	400°C,900°C,1200°C TCP:~6.0mV	400°C,1000°C,1480°C TCP:~6.0mV	400°C,1000°C,1480°C TCP:~6.0mV	-30,0,200,400°C,,900°C TCP:~6.0mV
1sec	1sec	1sec	1sec	1sec	1sec	1sec	1sec	1sec	1sec	1sec	1sec	1sec	1sec	1sec	1sec	1sec	1sec	1sec	1sec	1sec	1sec	1sec	1sec	1sec	1sec	1sec	1sec	1sec	1sec	1sec	1sec	1sec	1sec
12:1	12:1	12:1	12:1	12:1	12:1//30:1	12:1	12:1	12:01	30:1	12:1	16:1	30:1	12:1	12:1//16:1//30:1	12:1//16:1//30:1	12:1//16:1//30:1	50:1	50:1	50:1	50:1	50:1	50:1	75:1	35:1	35:1	75:1	75:1	50:1	60:1	75:1	100:1	100:1	100:1
Fixed0.95	0.70/0.95	0.1~1 Step.01	0.70/0.95	0.1~1 Step.01	0.1~1 Step.01	0.1~1 Step.01	0.1~1 Step.01	Fixed0.95	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	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	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	0.1~1 Step.01	0.1~1 Step.01	0.1~1 Step.01	0.1~1 Step.01
1.4Hz	1.4Hz	1.4Hz	1.4Hz	1.4Hz	1.4Hz	1Hz	1Hz	1.4Hz	1.4Hz	1.4Hz	1.4Hz	1.4Hz	1.4Hz	1.4Hz	1.4Hz	1.4Hz	1Hz	1Hz	1Hz	1Hz	1Hz	1Hz	1Hz	1Hz	1Hz	1Hz	1Hz	1Hz	1Hz	1Hz	1Hz	1Hz	1Hz
!TBD Allen	143.90*116.73*42.78 mm	143.90*116.73*42.78 mm	!TBD Allen	!TBD Allen	!TBD Allen	72*39*175mm	143*46*185mm	171.76*119.19*47.54mm	171.76*119.19*47.54mm	171.76*119.19*47.54mm	171.76*119.19*47.54mm	171.76*119.19*47.54mm	171.76*119.19*47.54mm	171.76*119.19*47.54mm			203.3*197*47mm	203.3*197*47mm	203.3*197*47mm	203.3*197*47mm	203.3*197*47mm	203.3*197*47mm	203.3*197*47mm	193.1*154.9*47mm	193.1*154.9*47mm			203.3*197*47mm			233.81*207.53*60.56mm	233.81*207.53*60.56mm	233.81*207.53*60.56mm
!TBD Allen	"5.67×4.60×1.68"	"5.67×4.60×1.68"	!TBD Allen	!TBD Allen	!TBD Allen	2.8"*1.5"*7.0"	5.6*1.8*7.3"	6.76*4.69*1.87"	6.76*4.69*1.87"	6.76*4.69*1.87"	6.76*4.69*1.87"	6.76*4.69*1.87"	6.76*4.69*1.87"	6.76*4.69*1.87"			8.0"*7.7"*1.8"	8.0"*7.7"*1.8"	8.0"*7.7"*1.8"	8.0"*7.7"*1.8"	8.0"*7.7"*1.8"	8.0"*7.7"*1.8"	8.0"*7.7"*1.8"	7.6"*6.1"*1.8"	7.6"*6.1"*1.8"			8.0"*7.7"*1.8"			9.20"*8.16"*2.38"	9.20"*8.16"*2.38"	9.20"*8.16"*2.38"
8-14um	8-14um	8-14um	8-14um	8-14um	8-14um	8-14um	8-14um	5~14um	8-14um	8-14um	8-14um	8-14um	8-14um	8-14um	8-14um	8-14um	8-14um	8-14um	8-14um	8-14um	8-14um	8-14um	8-14um	8-14um	8-14um	8-14um	8-14um	8-14um	8-14um	2.3~5um	2.3~5um	1.1~3.7um	8-14um
!TBD Allen	180g/6.35oz	180g/6.35oz	!TBD Allen	!TBD Allen	!TBD Allen	179g/6.3oz	221.8g/7.8oz	248.45g/8.76oz	255.7g/9.01oz	248.45g/8.76oz	249.5g/8.8oz	255.7g/9.01oz	248.45g/8.76oz	248.45g(8.76oz) // 249.5g(8.8oz) // 255.7g(9.01oz) //			378.6g/13.3oz	378.6g/13.3oz	378.6g/13.3oz	378.6g/13.3oz	378.6g/13.3oz	378.6g/13.3oz	378.6g/13.3oz	349g/12.3oz	349g/12.3oz						550g/19.40oz	550g/19.40oz	550g/19.40oz
!TBD Allen	157g/5.55oz	157g/5.55oz	!TBD Allen	!TBD Allen	!TBD Allen	156.4g/5.5oz	198.8g/7.0oz	225.65g/7.95oz	232.9g/8.21oz	225.65g/7.95oz	226.7g/7.99oz	232.9g/8.21oz	225.65g/7.95oz	225.65g(7.95oz) // 226.7g(7.99oz) // 232.9g(8.21oz) //			356g	356g	356g	356g	356g	356g	356g	326.4g	326.4g						500g/17.63oz	500g/17.63oz	500g/17.63oz
NA	NA	NA	NA	NA	K type,Small Socket	K type socket	K type socket	NA	K type,Small Socket	K type,Small Socket	K type,Small Socket	K type,Small Socket	K type,Small Socket	K type,Small Socket	K type,Small Socket	K type,Small Socket	K type,Small Socket	K type,Small Socket	NA	K type,Small Socket	K type,Small Socket	K type,Small Socket	K type,Small Socket	K type,Small Socket	K type,Small Socket	K type,Small Socket	K type,Small Socket	K type,Small Socket	K type,Small Socket	K type,Small Socket	K type,Small Socket	K type,Small Socket	K type,Small Socket
NA	NA	NA	NA	NA	-64~1400°C	-55~330°C	-55~330°C	NA	-64~1400°C	-64~1400°C	-64~1400°C	-64~1400°C	-64~1400°C	-64~1400°C	-64~1400°C	-64~1400°C	-64~1400°C	-64~1400°C	NA	-64~1400°C	-64~1400°C	-64~1400°C	-64~1400°C	-64~1400°C	-64~1400°C	-64~1400°C	-64~1400°C	-64~1400°C	-64~1400°C	-64~1400°C	-64~1400°C	-64~1400°C	-64~1400°C
NA	NA	NA	NA	NA	+/-1%,1°C #APs	+/-1%,1°C #APs	+/-1%,1°C #APs	NA	+/-1%,1°C #APs	+/-1%,1°C #APs	+/-1%,1°C #APs	+/-1%,1°C #APs	+/-1%,1°C #APs	+/-1%,1°C #APs	+/-1%,1°C #APs	+/-1%,1°C #APs	+/-1%,1°C #APs	+/-1%,1°C #APs	NA	+/-1%,1°C #APs	+/-1%,1°C #APs	+/-1%,1°C #APs	+/-1%,1°C #APs	+/-1%,1°C #APs	+/-1%,1°C #APs	+/-1%,1°C #APs	+/-1%,1°C #APs	+/-1%,1°C #APs	+/-1%,1°C #APs	+/-1%,1°C #APs	+/-1%,1°C #APs	+/-1%,1°C #APs	+/-1%,1°C #APs
NA	NA	NA	NA	NA															NA														
NA	NA	NA	NA	NA	12minutes	4minutes	4minutes	NA	12minutes	12minutes	12minutes	12minutes	12minutes	12minutes	12minutes	12minutes	12minutes	12minutes	NA	12minutes	12minutes	12minutes	12minutes	12minutes	12minutes	12minutes	12minutes	12minutes	12minutes	12minutes	12minutes	12minutes	12minutes
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
rtMax	C/F, Max, Lock	Ave,Dif,HiLow Alarm Max,Min,Lock	C/F, Max, Lock	Ave,Dif,HiLow Alarm Max,Min,Lock	Ave,Dif,HiLow Alarm Max,Min,Lock	Max,Min,Lock	Max,Min,Lock	rtMax	Ave,Dif,HiLow Alarm Max,Min,Lock	Ave,Dif,HiLow Alarm Max,Min,Lock	Ave,Dif,HiLow Alarm Max,Min,Lock	Ave,Dif,HiLow Alarm Max,Min,Lock	Ave,Dif,HiLow Alarm Max,Min,Lock	Ave,Dif,HiLow Alarm Max,Min,Lock	Ave,Dif,HiLow Alarm Max,Min,Lock	Ave,Dif,HiLow Alarm Max,Min,Lock	Ave,Dif,HiLow Alarm Max,Min,Lock	Ave,Dif,HiLow Alarm Max,Min,Lock	Ave,Dif,HiLow Alarm Max,Min,Lock	Ave,Dif,HiLow Alarm Max,Min,Lock	Ave,Dif,HiLow Alarm Max,Min,Lock	Ave,Dif,HiLow Alarm Max,Min,Lock	Ave,Dif,HiLow Alarm Max,Min,Lock	Ave,Dif,HiLow Alarm Max,Min,Lock	Ave,Dif,HiLow Alarm Max,Min,Lock	Ave,Dif,HiLow Alarm Max,Min,Lock	Ave,Dif,HiLow Alarm Max,Min,Lock	Ave,Dif,HiLow Alarm Max,Min,Lock	Ave,Dif,HiLow Alarm Max,Min,Lock	Ave,Dif,HiLow Alarm Max,Min,Lock	Ave,Dif,HiLow Alarm Max,Min,Lock	Ave,Dif,HiLow Alarm Max,Min,Lock	Ave,Dif,HiLow Alarm Max,Min,Lock
NA	IP54	IP54	IP54	IP54	IP54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AAA*2	AAA*2	AAA*2	AAA*2	AAA*2	AAAx2	AAAx2	AAAx2	AAAx2	AAAx2	AAAx2	AAAx2	AAAx2	AAAx2	AAAx2	AAAx2	AAAx2	AAAx2	AAAx2	AAAx2	AAAx2	AAAx2	AAAx2	AAAx2	AAAx2	AAAx2	AAAx2	AAAx2	AAAx2	AAAx2	AAAx2	AAx2	AAx2	AAx2
18hr, (with laser, backlite)	18hr, (with laser, backlite)	18hr, (with laser, backlite)	18hr, (with laser, backlite)	18hr, (with laser, backlite)		TCP:100hr IRT:18hr (with laser)	TCP:100hr IRT:18hr (with laser)	18hr, (with laser, backlite)	180/18hr (no/with Laser,Backlit)	180/18hr (no/with Laser,Backlit)	180/18hr (no/with Laser,Backlit)	180/18hr (no/with Laser,Backlit)	180/18hr (no/with Laser,Backlit)	180/18hr (no/with Laser,Backlit)	180/18hr (no/with Laser,Backlit)		180/12hr (no/with Laser,Backlit)	180/12hr (no/with Laser,Backlit)	180/12hr (no/with Laser,Backlit)	180/12hr (no/with Laser,Backlit)	180/12hr (no/with Laser,Backlit)	180/12hr (no/with Laser,Backlit)	180/12hr (no/with Laser,Backlit)	180/12hr (no/with Laser,Backlit)	180/12hr (no/with Laser,Backlit)	180/12hr (no/with Laser,Backlit)	180/12hr (no/with Laser,Backlit)	180/12hr (no/with Laser,Backlit)	180/12hr (no/with Laser,Backlit)	180/12hr (no/with Laser,Backlit)	240/16hr (no/with Laser,Backlit)	240/16hr (no/with Laser,Backlit)	240/16hr (no/with Laser,Backlit)
14hr	14hr	14hr	14hr	14hr	140hr	30hr	30hr	140hr	140hr	140hr	140hr	140hr	140hr	140hr	140hr	140hr	140hr	140hr	140hr	140hr	140hr	140hr	140hr	140hr	140hr	140hr	140hr	140hr	140hr	140hr	140hr	140hr	140hr
Laser;Backlit	Laser;Backlit	Backlit; Buzzer	Laser;Backlit	Backlit; Buzzer	Backlit; Buzzer	Food Code Zone Display	Food Code Zone Display	Laser;Backlit	Backlit; Buzzer	Backlit; Buzzer	Backlit; Buzzer	Backlit; Buzzer	Backlit; Buzzer	Backlit; Buzzer	Backlit; Buzzer	Backlit; Buzzer	Backlit; Buzzer; flash LED	Backlit; Buzzer; flash LED	Backlit; Buzzer; flash LED	Backlit; Buzzer; flash LED	Backlit; Buzzer; flash LED, Memory	Backlit; Buzzer; flash LED, Memory	Backlit; Buzzer; flash LED	Backlit; Buzzer; flash LED	Backlit; Buzzer; flash LED	Backlit; Buzzer	Backlit; Buzzer	Backlit; Buzzer	Backlit; Buzzer	Backlit; Buzzer	Backlit; Buzzer, Memory	Backlit; Buzzer, Memory	Backlit; Buzzer, Memory
holster	holster	holster	holster	holster	Holster,Dual or 8 beam			Flash light; Holster	Flash light; Holster	Flash light; Holster	Flash light; Holster,Dual beam	Flash light; Holster,Dual beam	Flash light; Holster,Dual beam	Flash light; Holster,Dual or 8 beam	Flash light; Holster,Dual or 8 beam	Flash light; Holster,Dual or 8 beam	Dual Laser Pointer; Holster; magnet stand	Dual Laser Pointer; Holster; magnet stand	Dual Laser Pointer; Holster; magnet stand	Dual Laser Pointer; Holster; magnet stand	Dual Laser Pointer; Holster; magnet stand	Dual Laser Pointer; Holster; magnet stand	Dual Laser Pointer; Holster; magnet stand	Laser Pointer; Holster	Laser Pointer; Holster	Dual Laser Pointer; Holster; magnet stand,USB,Memory	Dual Laser Pointer; Holster; magnet stand,USB,memory	Dual Laser Pointer; Holster; magnet stand,USB,memory	Dual Laser Pointer; Holster; magnet stand,USB,Memory,SD-C	Dual Laser Pointer; Holster; magnet stand,USB,memory,SD-C	Dual Laser Pointer; Holster; magnet stand	Dual Laser Pointer; Holster; magnet stand	Dual Laser Pointer; Holster; magnet stand
!TBD Ivan	!TBD Ivan	!TBD Ivan	!TBD Ivan	!TBD Ivan	255*135*67mm	!TBD	!TBD	255*135*67mm	255*135*67mm	255*135*67mm	255*135*67mm	255*135*67mm	255*135*67mm	255*135*67mm	255*135*67mm	255*135*67mm	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
!TBD Ivan	!TBD Ivan	!TBD Ivan	!TBD Ivan	!TBD Ivan	382.6g	!TBD	!TBD	382.6g	390g	382.6g	383.6g	390g	382.6g	382.6g	382.6g	382.6g	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	252.3*157.6*70.5mm	295*164*78.5mm	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	317.5g	375g	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	339*196*64mm	339*196*64mm	339*196*64mm	339*196*64mm	339*196*64mm	339*196*64mm	339*196*64mm	339*196*64mm	339*196*64mm	!TBD Ivan	!TBD Ivan	!TBD Ivan	350*296*100mm	350*296*100mm	430*350*100mm(AL Box)	430*350*100mm(AL Box)	430*350*100mm(AL Box)
N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.073kg(With Bead)	1.073kg(With Bead)	1.063kg(Without Bead)	1.073kg(With Bead)	1.073kg(With Bead)	1.073kg(With Bead)	1.073kg(With Bead)	1.0kg(With Bead)	1.0kg(With Bead)	!TBD Ivan	!TBD Ivan	!TBD Ivan	!TBD Ivan	!TBD Ivan	19.7kg	19.7kg	19.7kg