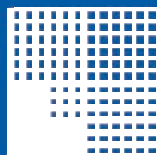
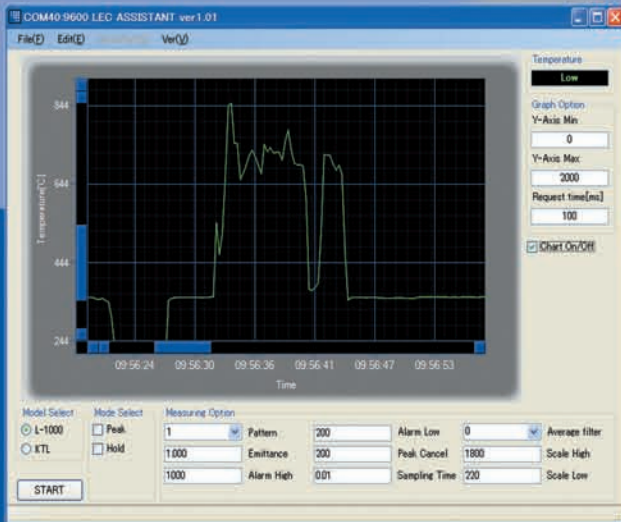
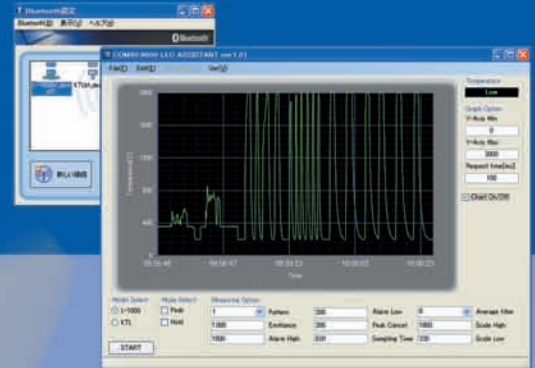


KTLL

Infrared thermometer
KTL-PRO
KTL-ZERO
KTL-P/Z-04

- Software for Windows
- Bluetooth Model



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●The KTL series is a high-spec radiation thermometer with fast response, wide range, and through-the-glass measurement capability.

Capable of small spot measurement of $\phi 1/270\text{mm}$.

(KTL-PRO-04 is $\phi 0.4/270\text{mm}$)

●Sampling speed is as fast as 0.01sec.

(Variable between 0.01 and 1.00 sec in 0.01 increments.)

●2-way peak hold

In addition to the general peak hold, it has an auto-reset peak hold.

This makes it very easy to control the temperature of the line.

●3 outputs as standard equipment(RS-232C, 0~10V, 4~20mA)

Analog can be scaled to ZERO and SPAN as desired.

It can be easily connected to recorders and controllers.

●Temperature analysis software included.

Windows software is included as standard.

Data can be saved and various settings can be made from a PC.

(*This is a free software and is not supported.)

KTL

KTL-PRO (200°C ~ 2000°C)

KTL-ZERO (ZERO-A:500°C ~ 3000°C)

KTL-ZERO (ZERO-B:200°C ~ 1200°C)

In further, measurement of minute area

KTL-PRO-04 (or KTL-ZERO-04)

The KTL series is a high-spec radiation thermometer with fast response, wide range, small spot measurement, and through-the-glass measurement capabilities.



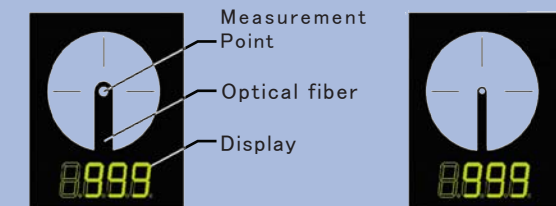
Side control panel



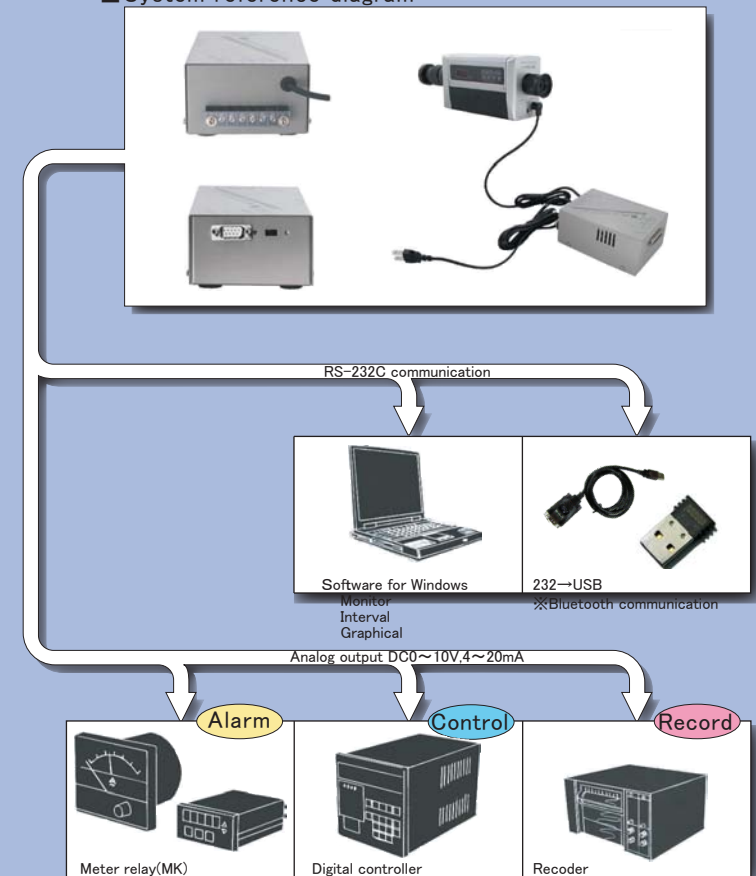
*Temperature display
*Setup
RS-232C communication speed
Emissivity
Scaling

Hold key(ENT)
Minimum mode key(DOWN)
Maximum mode key(UP)
Continuous mode key(FUNCTION)

Finder view



System reference diagram



Option

CK-1(Carrying case)



Stores the KTL main unit and AC adapter

GL-DX(Charger and set of grip)



Only for the charging battery

GL-ST(grip)



Only for the alkaline battery

LA-1G(Free camera platform / gray)

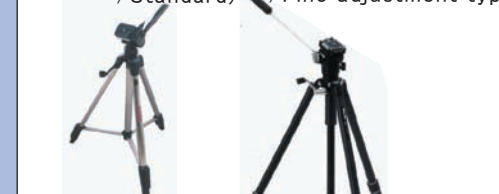


LA-1B(black)

Fix the KTL at any angle

U-8000(Tripod /Standard)

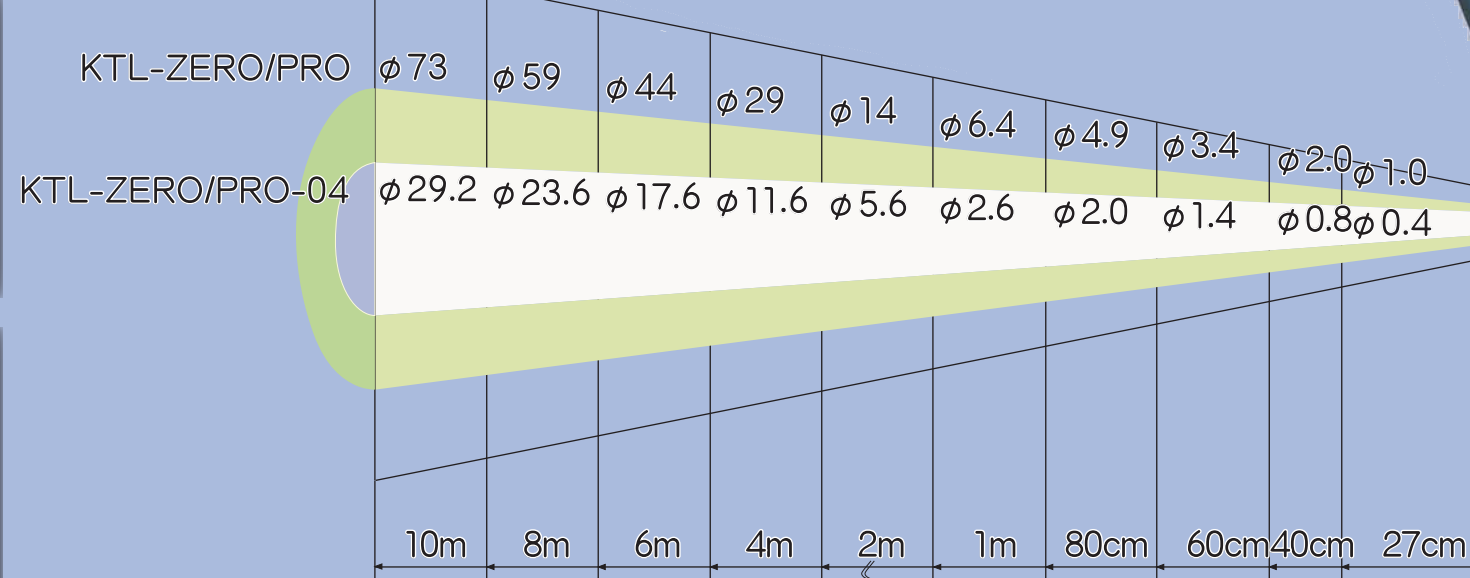
SL-68G(Tripod /Fine adjustment type)



The grip can be mounted on a tripod without being attached

KTL-ZERO/PRO

KTL-ZERO/PRO-04



LM-2(Finder mirror)



Check the focus and position by looking through the view finder from all directions 360°

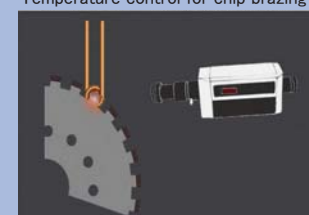
F02-002(Air purge unit)



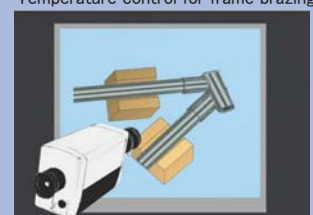
The KTL and its power supply are stored inside the case to protect the KTL from heat and smoke

*Example of the temperature control

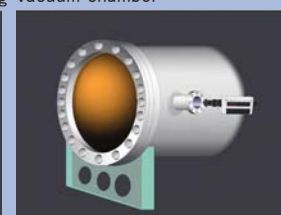
Temperature control for chip brazing



Temperature control for frame brazing



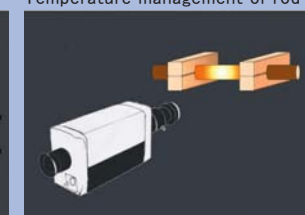
Temperature measurement in a vacuum chamber



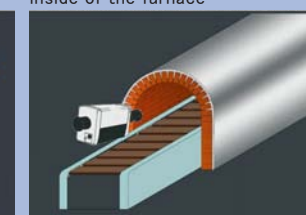
Control of high frequency heating



Temperature management of rod



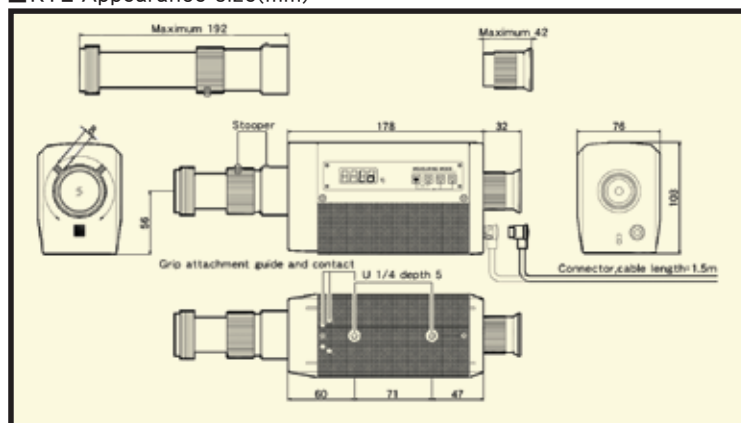
Temperature management of inside of the furnace



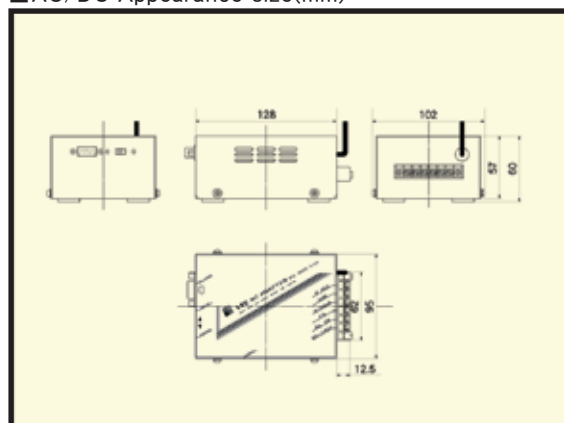
■ Specification table

-	KTL-PRO		KTL-ZERO			
Models	KTL-PRO	KTL-PRO-04	KTL-ZERO-A	KTL-ZERO-B	KTL-ZERO-A-04	KTL-ZERO-B-04
Temperature Range	200 ~ 2000 °C	300 ~ 2000 °C	500 ~ 3000 °C	200 ~ 1200 °C	700 ~ 3000 °C	300 ~ 1200 °C
Display	Inside of finder,Side panel (digital display)					
Measurement mode	C O N T : Continuous display P E A K : Maximum value display V A L L E Y : Minimum value display H O L D : Retention					
Accuracy	±1 % ε =1.00					
Reproducibility	±1 °C ε =1.00					
Emissivty	0.10 ~ 1.00 (Digital 2 way)					
Response time	Sampling time 0.01 ~ 1.00 sec Variable					
Sensor	InGaAs		Si	InGaAs	Si	InGaAs
Wavelength	1.6 μ m		0.9 μ m	1.6 μ m	0.9 μ m	1.6 μ m
External	RS - 232C DC 0 ~ 10 V DC 4 ~ 20 mA } 3 Output Bluetooth (Option) 					

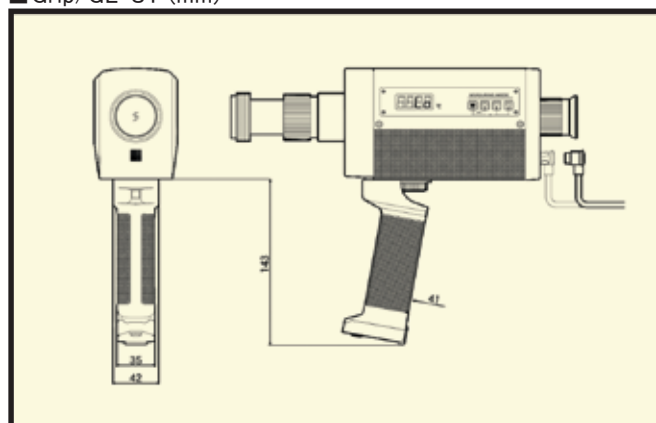
■ KTL Appearance size(mm)



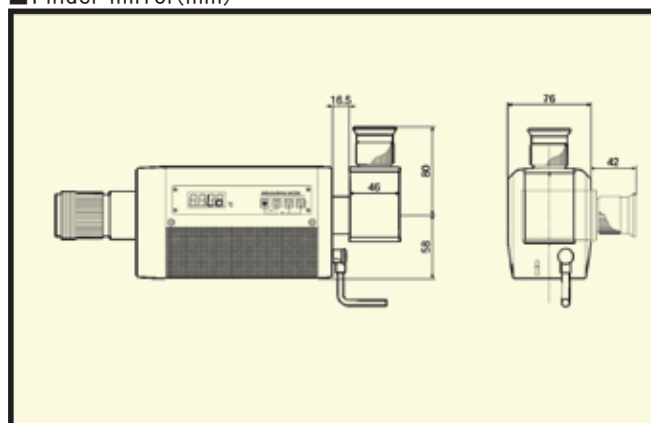
■ AC/DC Appearance size(mm)



■ Grip/GL-ST (mm)



■ Finder mirror(mm)



■ Software



■ Option

SC9-USB(232C→USB Conversion cable)



BT-100-USB(Bluetooth→USB Radio adapter)



Cautions: About this specification, it may change without a preliminary announcement for an improvement.

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