

SPECIFICATION

		L-1000	
Temperature rang	140~1300[°C]	600~2000[°C]	
Element	InGaAs	Si	
Wavelength	1.6[μm]	0.9[μm]	
Accuracy rating	±1[%] = ε 1.0		
Repeatability	±1[°C] = ε 1.0		
Resolution	1[°C]		
Measured value display	7segLED Character height 14.6[mm]		
Preset value display	7segLED Character height 10.1[mm]		
Response time	0.01[sec]		
Emissivity setting range	0.050~1.200		
Setting	Key operation in front panel (Holding function by external input)		
Analog output	DC 0~10[V], 4~20[mA] load resistance 500[Ω] or low		
Control out put	Open collector output Hi, Lo MAX DC 30[V] 50[mA] (standard) Relay output Hi, Lo a-contact, AC 250[V]10[A], DC 30[V] 5[A] (option)		
Communication function(option)	RS-232 Start-stop synchronization 4800/9600/19200/38400[bps], 7/8bit, 1/2stop-bit or Bluetooth		
Power supply	AC 85~264[V] 15[VA]		
Operating temperature rang	10~50[°C] No dew condensation		
Outside dimension	96×72×165 [mm]		
Weight	1.5[kg] (Only L-1000)		

ORDER

L-1000	Temperature zone	Control output	Digital output
2	140 ~ 500	0 Open collector (Standard)	0 None
3	200 ~ 1000	1 Relay	1 RS-232
4	200 ~ 1300		2 Bluetooth
5	600 ~ 1600		
6	600 ~ 3000		

notes : In case of 140~500°C,
please contact us as the optical fiber and measurement area will be changed.

※The change of the measurement temperature range is possible. (negotiable)

CONTENTS OF COMPOSITION

- ① Converter
- ② Sensor head
- ③ Optical fiber

SENSOR HEAD








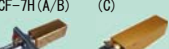
	Models
Fixed focus type	SH-25A SH-25C-40
	SH-25B
	SH-25D
Movable focus type	SH-7A-64 SH-7C-60
	SH-7A-77
	SH-7B-113

OPTICAL FIBER CABLE (Use the F10ST/F10SS/F10Y in the case of 140~500°C)

	Standard	With SUS protective tube	Y type
1.5 m	F05ST-1.5	F05SS-1.5	F05Y-1.5
3.0 m	F05ST-3.0	F05SS-3.0	F05Y-3.0
5.0 m	F05ST-5.0	F05SS-5.0	F05Y-5.0

※ Please ask us, when the length of an optical fiber cable needs what is not in the upper table.

OPTION

QCF-25H 	LA-1B 	LA-1G 	U-8000 	SL-68G 	ANC-2SL 	SC9-USB (with 3m cross cable) 
QCF-7H (A/B) (C) 						

Air purge unit

Camera platform for head

Tripod

Analog cable

USB-232C conversion cable

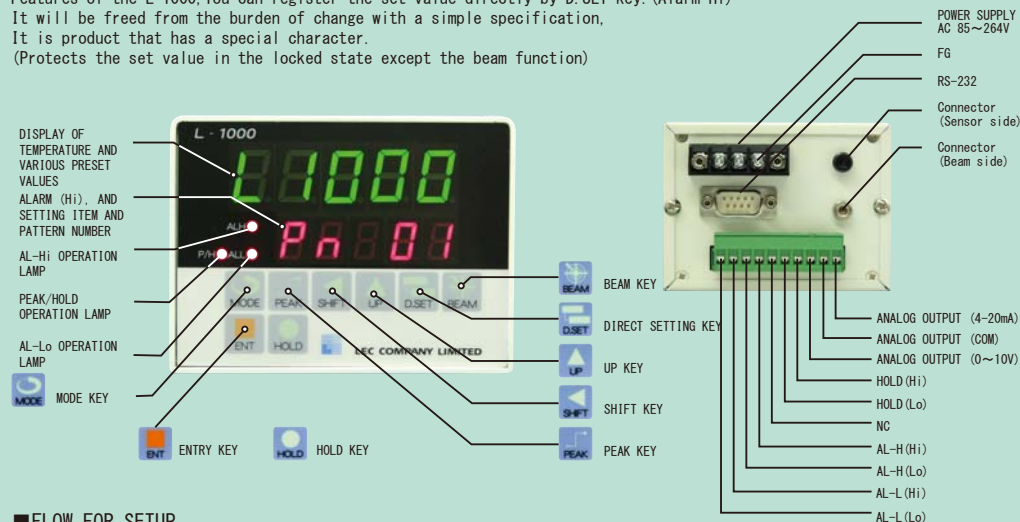
OPTICAL FIBER TYPE THERMOMETER

L-1000

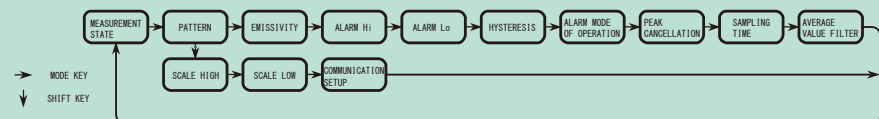


Do not miss the moment

Among the easy operation, an alarm function was added to try to capture the temperature of the moment to set value. Of course, you can change it by normal operation. Features of the L-1000. You can register the set value directly by D.SET key. (Alarm Hi) It will be freed from the burden of change with a simple specification. It is product that has a special character. (Protects the set value in the locked state except the beam function)

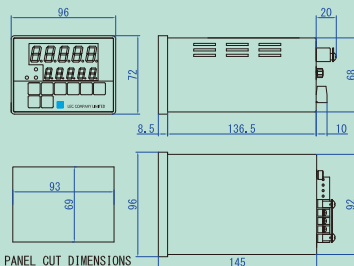


FLOW FOR SETUP

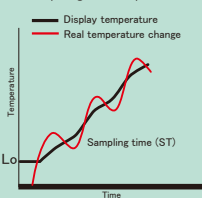


FEATURE

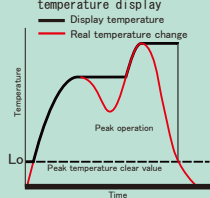
- Temperature measurement through glass is possible.
- Measurement temperature 140~3000°C can be measured in series.
- Display value can be set directly(Direct setting)
- 10 pattern memory possibility of emittance(Emittance value) and alarm Hi/Lo. The change is possible by a pattern calling.
- Adopt automatic-reset peak hold for easy temperature control in production line.
- Adopt high brightness LED for target beam lamp.
- External output : Analog output (4~20mA, 0~10V) standard equipment
RS-232C · Bluetooth(option)
- RS-232C · Bluetooth(option) can capture temperature data and change of various setting.



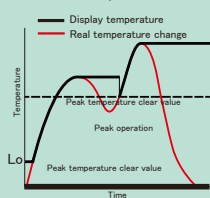
Sampling and temperature



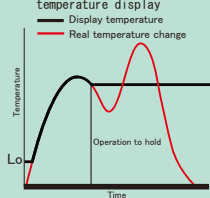
Peak function and temperature display



Auto-reset peak hold



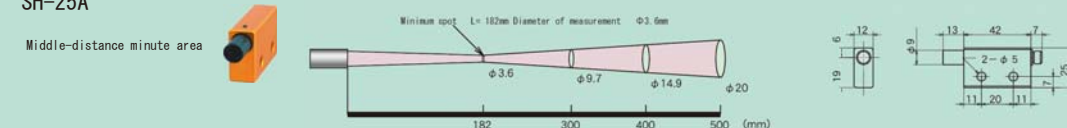
Function to hold and temperature display



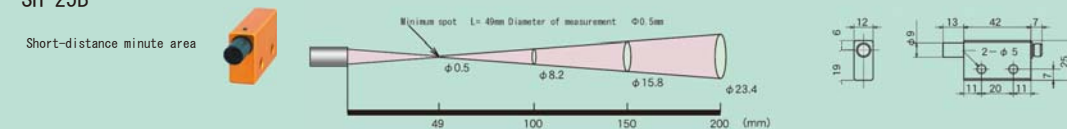
SENSOR AND SENSOR HEAD / MEASUREMENT DISTANCE / MEASUREMENT AREA φ (mm)

OPTICAL FIBER FIXED FOCUS TYPE (In the case of 140~500°C, the measurement area is doubled)

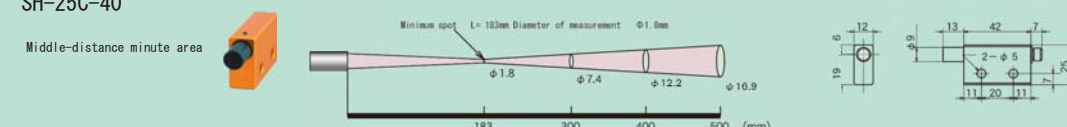
SH-25A



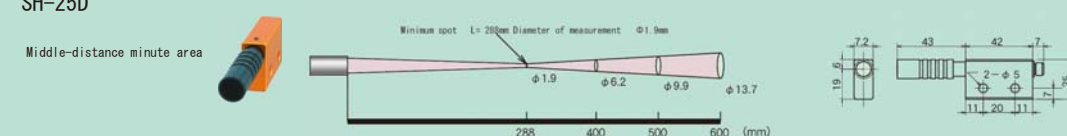
SH-25B



SH-25C-40

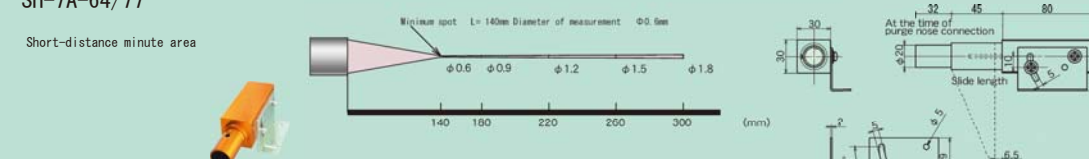


SH-25D

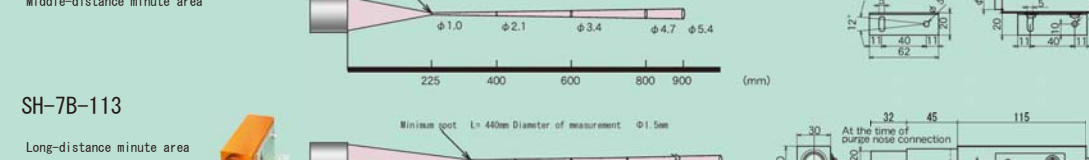


OPTICAL FIBER MOVABLE FOCAL TYPE (In the case of 140~500°C, the measurement area is doubled)

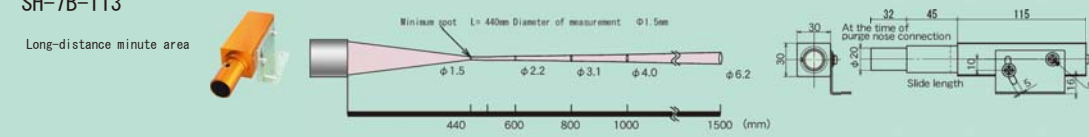
SH-7A-64/77



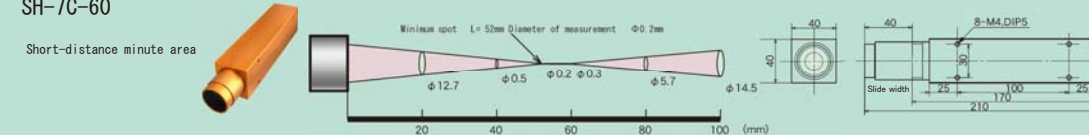
SH-7B-113



SH-7B-113



SH-7C-60



OPTICAL FIBER CABLE

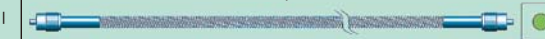
Optical fiber cable F05ST and F05SS of a single core do again and use connection from the connector side for sensors to the connector side for beams.

When exchange of an optical fiber cable is difficult conditions after attaching a main part, I recommend adopting an F05Y optical fiber cable. In the case of a fixed focus type sensor head, the distance which beam light can check clearly is measurement distance (measurement point). The case of a movable focus makes the optical lens which exists at the tip of a sensor head slide with a holder, and adjusts a focus. The size of the area which beam light illuminates according to measurement distance changes.

F05ST (standard)



F05SS (With stainless steel protective tube)



F05Y (Optical fiber unifies measurement, and beams)

