

# Temperature & Humidity Measuring Instruments

- **THERMOMETER**
- **HUMIDITY & TEMP METER**

- Best for controlling and measuring humidity and temperature
- Easy to measure
- In conformance to CE



## THERMOMETER (MODEL: TC-950) ▶

**THERMOCOUPLE PROBES Sold separately**  
 Please refer to our catalog of Thermocouple probes.  
 Thermocouple probes are not included with TC-950

## HUMIDITY & TEMP METER (MODEL: TH-3000)



## SOFTWARE FOR TC-950 (MODEL:UPCB-K) Sold separately

This software has very simple User Interface that makes it easy to use. With the software you will be able to graphically see the data from the TC-950. You can customize the Graph Range, Alarm Values as well as other options available. Data from the TC-950 can be saved in a(CSV) format where database software easily access.

# Specifications

## THERMOMETER (MODEL:TC-950)

General Specifications	
Probe Input Socket	1
Sensor Type	Thermocouple K, J, T, E, R ( Selected by button Switch)
Measuring Range	K : -100.0 ~ +1300.0°C J : -100.0 ~ +1150.0°C T : -100.0 ~ +400.0°C E : -100.0 ~ +900.0°C R : 0 ~ +1700 °C
Sampling Time	Approx. 1 Second.
Function	Data hold , MAX/MIN hold , Relative display
Display	LCD Display: 51mm x 32mm , Digit Size: 15mm
Input Connection	Miniature connector for thermocouple
Data Output	RS-232 PC Serial interface
Power Supply	LR03 ( 1.5V) battery x 6 pcs.
Power Consumption	15mA Max.
Operating Temp./Humidity	0~50°C Less than 80%RH
Dimensions / Weight	202 (W) X 68 (H) X 30 (D) mm approx. 330g ( Including Battery)
Accessories	LR03 (1.5V) battery x 6pcs., Instruction Manual

Electrical Specifications			
Sensor Type	Resolution	Range	Accuracy
Type K	0.1°C	-100.0 ~ - 50.1°C	±(0.2%+1°C)
		- 50.0 ~ +1300.0°C	±(0.2%+0.5°C)
Type J	0.1°C	-100.0 ~ - 50.1°C	±(0.2%+1°C)
		- 50.0 ~ +1150.0°C	±(0.2%+0.5°C)
Type T	0.1°C	-100.0 ~ - 50.1°C	±(0.2%+1°C)
		- 50.0 ~ + 400.0°C	±(0.2%+0.5°C)
Type E	0.1°C	-100.0 ~ - 50.1°C	±(0.2%+1°C)
		- 50.0 ~ + 900.0°C	±(0.2%+0.8°C)
Type R	1°C	0 ~ 600 °C	±(1%+5°C)
		+601 ~ +1700 °C	±(1.5%+5°C)

(Note) \*Thermocouple probes are not included with TC-950.  
\*Please refer to Thermocouple probes catalog to choose the best model for your application.

## HUMIDITY & TEMP METER (MODEL:TH-3000)

General Specifications			
Sensor Type	Humidity - High Precision Thin Film Capacitance Sensor Temperature - Thermistor		
Sampling Time	Approx. 0.8 Second.		
Measuring Function	Temperature and Humidity		
Display	LCD Display: 51mm x 32mm , Digit Size: 15mm		
Data Output	RS-232 PCSerial interface		
Power Supply	LR03 ( 1.5V) battery x 6 pcs.		
Power Consumption	10mA Max.		
Operating Conditions	0°C ~ 50°C, Less than 80%RH		
Dimensions / Weight	Unit : 202 (W) X 68 (H) X 30 (D) mm / Approx. 330g		
Accessories	Sensor Probe x 1pc., Battery x 6pcs., Operation Manual x 1pc.		
Efficiency			
Function	Measuring Range	Resolution	Accuracy
Humidity	10% ~ 95% RH	0.1% RH	>70%RH6(3% of rdg+1%RH)
			< 70%RH6(3% RH)
Temperature	0°C ~ 50°C	0.1°C	±0.8°C

## SOFTWARE FOR TC-950 (MODEL:UPCB-K) Sold separately

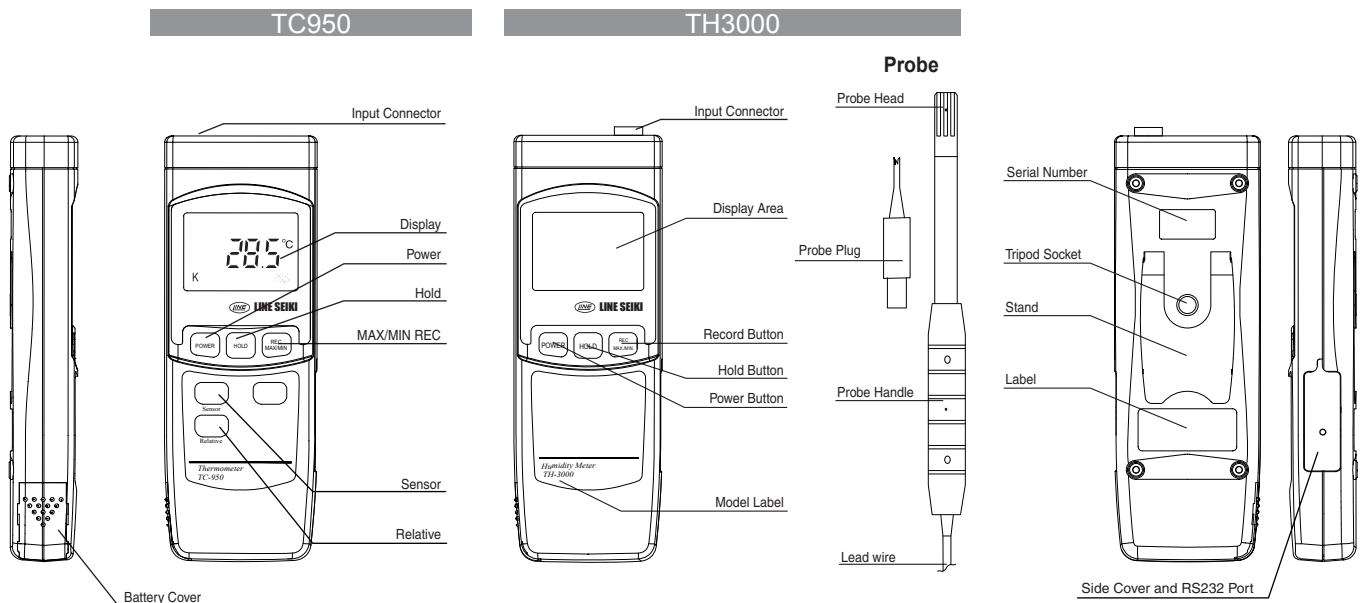
Max Record Data	25,000 Data
Sampling Time	2~3,600 s
Output Data	CSV
Graph Customize	Graph range set, Alarm value set
System Minimum Requirements	OS: Microsoft Windows XP Memory: 32MB min VGA display: 640 x 480 min
Contents	RS-232 cable, instruction manual

This software is not guaranteed operate on all conditions.

## Parts

Main Unit Front View

Main Unit Back View



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