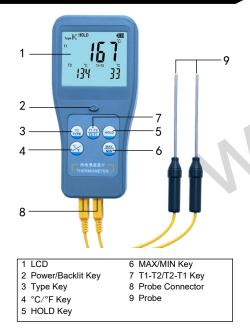
Thermocouple Thermometer **RTM1002**

User's Manual

Version: V1.1 Date: 2021.09

Qingdao Realltech Instruments Co.,LTD.

Descriptions



Specifications

Display		LCD
Thermocouple Type		K-type, J-type, E-type, T-type
K-type	Range	-200~1372°C (-328~2501.6°F)
	Accuracy	>-100°C, ±(0.2%Num+0.6°C)
		<-100°C, ±(0.5%Num+0.5°C)
J-type	Range	-210~1200°C (-346~2192°F)
	Accuracy	>-100°C, ±(0.2%Num+0.6°C)
		<-100°C,±(0.5%Num+0.5°C)
	Range	-150~1000°C (-238~1832°F)
E-type	Accuracy	>-100°C, ±(0.2%Num+0.6°C)
		<-100°C, ±(0.5%Num+0.5°C)
	Range	-250~400°C (-418~752°F)
T-type	Accuracy	>-100°C, ±(0.2%Num+0.6°C)
		<-100°C, ±(1%Num+0.5°C)
Resolution		0.1 (-100~100)
		1 (Other)
Unit		°C/°F
Sampling Channel		2 Channels
Temperature		T1-T2/T2-T1 Difference
Difference		
Statistical Functions		Maximum, Minimum
Automatic Power Off		10 Minutes (No Operation)
Operating Conditions		0∼50°C (32~122°F);
		$0{\sim}80\%$ RH (No Condensation)
Storage Conditions		-10~60°C (14~140°F);
		$0 \sim 90\%$ RH (No Condensation)

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Power Supply	4×1.5V AAA(UM-4) Battery			
Size	170×80×31mm			
Weight	186g (Not Including Batteries)			
	Main Unit×1,			
	TP-02 Probe×2			
Standard Accessories	(K-type, Range:-50~400°C),			
	Manual×1,			
	Carrying Case × 1			
Optional Accessories	Probes of Other Type/Size			

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Introduction

It is a portable two-channel thermocouple thermometer, which uses thermocouples as sensors to measure temperature signals, can meet the needs of different industries. Used to measure the temperature of liquids, gases, solids and surface temperature. And there are a variety of thermocouple types to choose from, which are widely used in industrial production, research and development experiments, food processing, refrigerated storage, metal industry and other occasions.

Features

- Large LCD with display. It can display three values at the same time.
- 2 sampling channels.
- K/J/E/T-type thermocouple is used for temperature measurement.
- The measured values of two channels and T1-T2/ T2-T1 difference are displayed simultaneously.
- Temperature unit (°C/°F).
- 0.1 high resolution.
- High accuracy.
- With maximum, minimum function.
- With data hold function.
- With battery indication function.
- With automatic power off function.

Instruction

• Power On: press and hold the [Power/Backlit] key.

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- Power Off: press and hold the [Power/Backlit] key for 3 seconds.
- Backlit On/Off: short press the [Power/Backlit] key to turn on the backlit. And short press the [Power/ Backlit] key again to turn off the backlit.

Measurement



T1

- Enter the Measurement Interface: after powering on. it will enter the Measurement Interface automatically.
- Thermocouple Type: short press the [TC Type] key to switch the thermocouple type of 2 channels at the same time. (Note: Depend on Probe.)
- Unit: short press the [°C/°F] key to switch between Celsius Degree (°C) and Fahrenheit Degree (°F).
- Data Hold: short press the [HOLD] key to hold the displayed value, and the 'HOLD' symbol will appear on the LCD. And short press the [HOLD] key again to release the displayed value, and the 'HOLD' symbol will disappear.

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Instruction

- T1-T2/T2-T1: after powering on, it will enter the T1-T2 Mode automatically, and the 'T1-T2' symbol will appear on the LCD. Short press the [T1-T2/T2-T1] key to switch the T2-T1 Mode, and the 'T2-T1' symbol will appear on the LCD.
- Maximum/Minimum: short press the [MAX/MIN] key to display the maximum value, and the 'Max' symbol will appear on the LCD. And short press the [MAX/ MIN] key again to display the minimum value, and the 'Min' symbol will appear on the LCD.

Battery Replacement

- When the indication "
 "
 " symbol appears on the display, it means low battery and needs to replace batteries timely.
- 2. Open the battery cover and remove the old batteries.
- Replace the new batteries correctly according to "+" and "-" in the battery compartment.
- 4. If the meter will not be used for a long time, please remove the batteries to prevent the batteries from rot and damage the meter.

Cleaning

To avoid damage, do not use abrasives or solvents for cleaning the meter. Do not disassemble the meter without authorization, the wrong method will cause man-made damage.

Services

If you want to know more services, please contact with services@realltech.cn.

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