

TM500

Portable Precision Temperature Meter

- Temperature measuring range $-50^{\circ}\text{C} \sim 160^{\circ}\text{C}$
- Temperature measuring accuracy $\pm 0.05^{\circ}\text{C}$
- Temperature resolution up to 0.001°C
- Battery runtime is 60 hours
- Color IPS highlight display
- Ergonomic design, comfortable grip



TM500



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PORTABLE PRECISION TEMPERATURE METER

TM500 is a precision portable reference thermometer with a highly integrated design of sensor and measurement. It is easy to use and measures up to $\pm 0.05^{\circ}\text{C}$. TM500 features an integrated waterproof structure that supports fully automatic horizontal screen switching for easy reading. It is safe and environmentally friendly, and fully avoids the harm from the damaged mercury thermometer to the human body and environment. Powered by a rechargeable battery, it is durable and easy to carry. TM500 not only serves as a temperature reference in the laboratory, but also enables high-accuracy temperature measurements in the industrial field.

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- Color IPS highlight display
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TM500 • Host Machine

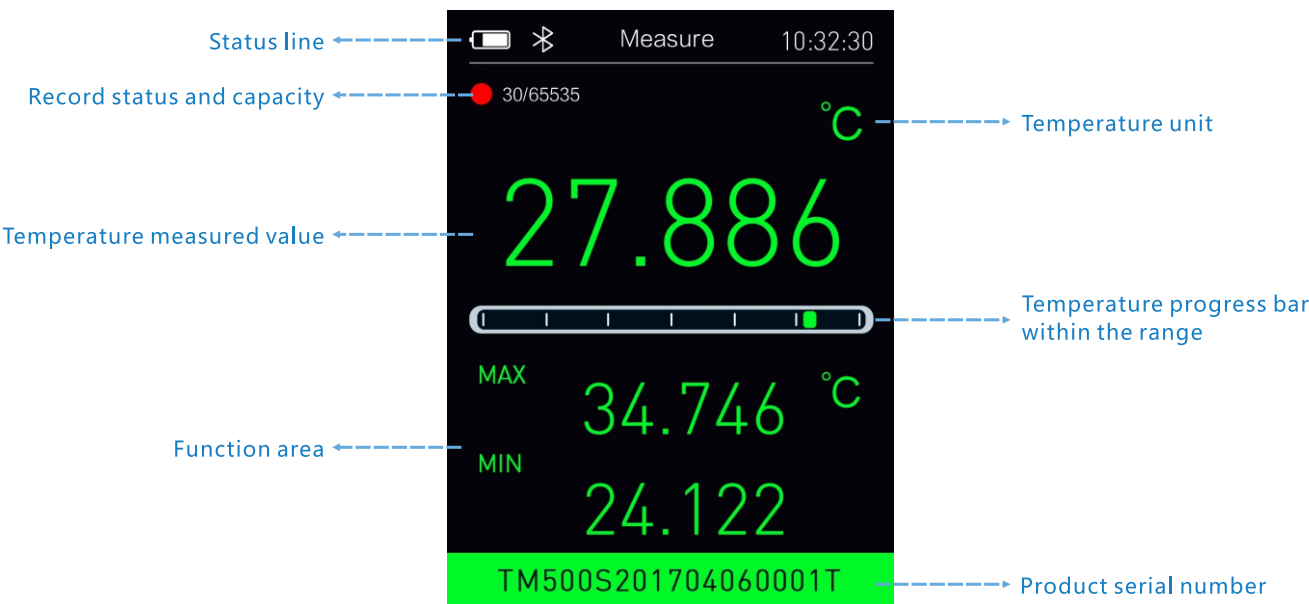




TM500 • Human-machine Interactive Interface

Measuring interface

TM500's user interface is simple and easy to use. On the measurement interface, you can see the "Status line" information, the current "Record status and capacity", "Temperature measured value", "Temperature progress bar within the range", and "Function area" measured value. And the "Product serial number".

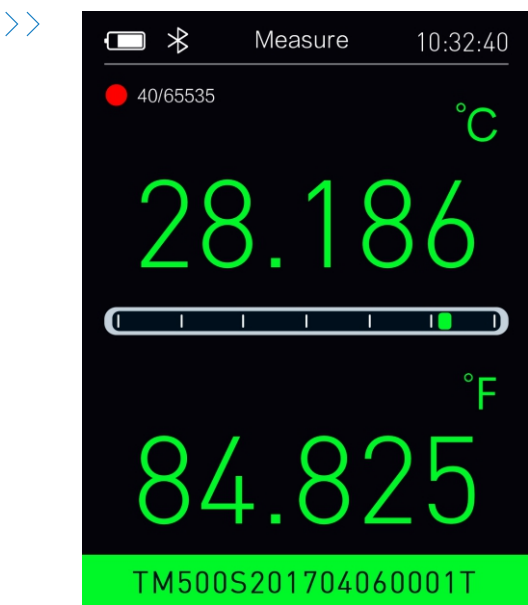


Function interface

Switch to the curve display in the function area as follows:



Switch to Fahrenheit (°F) measured value in the function area as follows:



Switch to Kelvin (K) measured value in the function area as follows:

>>



Switch to ohms (Ω) measured value in the function area as follows:

>>



Setting interface

The function and parameters of the product are set by pressing the button.

>>



Information interface

Check product details.

>>



TM500 • Functions and Features



Temperature Measurement

- Measuring range $-50^{\circ}\text{C} \sim 160^{\circ}\text{C}$
- Measuring accuracy $\pm 0.05^{\circ}\text{C}$
- Resolution up to 0.001°C



Safety and Environmental Protection

- The housing is made of ABS+PC, flame retardant, non-toxic and halogen-free material, and the temperature sensor is built-in the stainless steel probe
- It can surely avoid the harm from the damaged mercury thermometer to the human body and environment during application



Horizontal and Vertical Screen Switch

- Turn on screen rotation
- Operate interface adaptation according to actual needs, easy to watch and operate



Highlight Screen

- Highlight IPS display, 170° visual range, screen brightness is automatically adjusted according to light intensity, suitable for indoor and outdoor use
- Can read temperature measurement curve



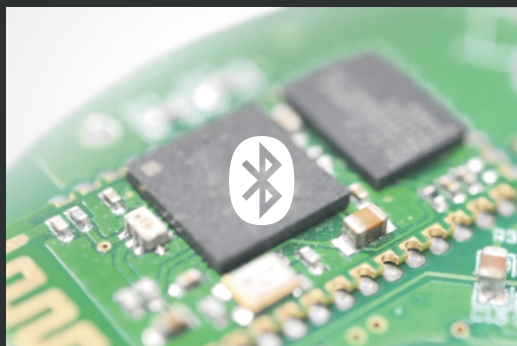
Auxiliary Lighting

- Can be used to operate in the darker measurement environments as requested



Ergonomic Design

- The back curvature fits the palm of your hand for a comfortable grip
- Anti-slip side design



Communication

- Support USB communication interface
- Support low-power Bluetooth, Wi-Fi* wireless communication



Rechargeable Battery

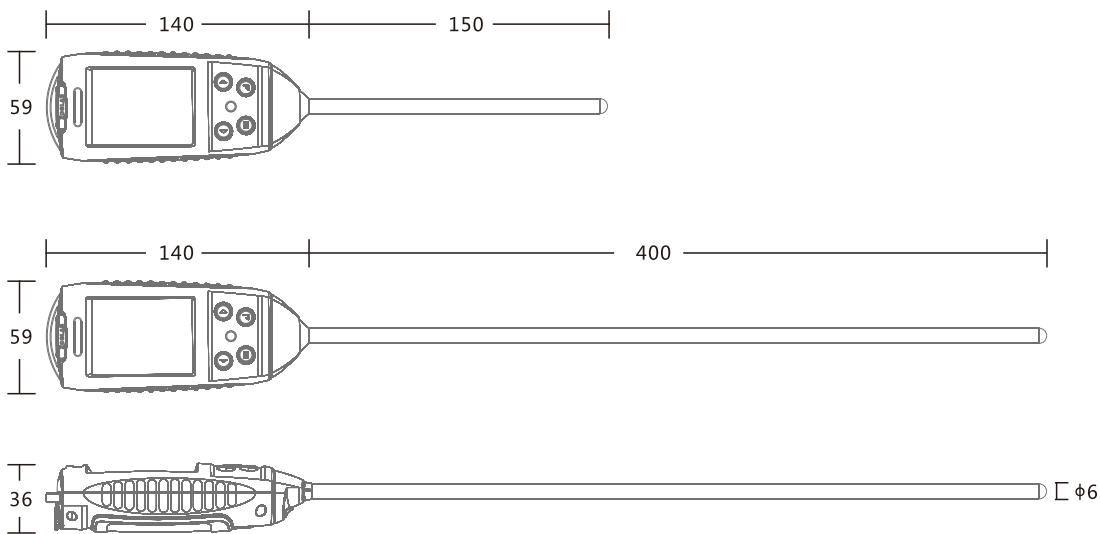
- Built-in 2 pcs of 18650 rechargeable lithium batteries, battery runtime up to 60 hours
- Modular battery design for direct charging

TM500 • Technical Specification

Technical Specification	
Temperature measuring range	-50° C ~ 160° C
Temperature measuring accuracy	±0.05° C
Temperature resolution	0.001° C
Operating environment	-10 ° C ~ 50 ° C, 10% ~ 95% RH (no condensing)
Response	14s / 21s
Probe length	Φ6mm , 400mm / 150mm
Memory size	65535 units with time stamps
Battery model	18650×2
Battery capacity	5200mAh
Battery runtime	60 hrs
Storage environment	-50° C ~ 90° C, 10%~95%RH (no condensing)
Display	2.6 inch, IPS, 320×240
IP Protection	IP64
Communication interface	USB, Bluetooth, Wi-Fi*
ESD Protection	±6KV
Housing	ABS+PC, flame retardant, non-toxic and halogen free
Dimensions	140×59×36mm
Weight	230g
Certifications	CE, FCC, VCCI, C-TICK

*Optional as requested

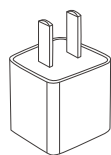
Dimensions(mm)



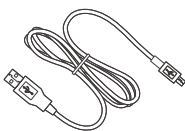
TM500 • Accessories

Standard Accessories

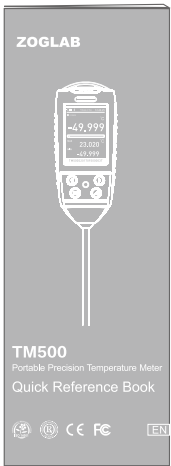
Charger



USB communication cable



Quick reference book



Qualification



Warranty card

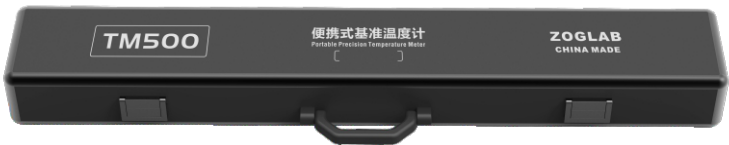


WEEE card



Optional accessories

MCK05 traveling case



Ordering Information

Ordering model	Features
TM500-L400	Probe length 400mm
TM500-L150	Probe length 150mm

International Free Call

+86-400-8878-571



Website



Weibo



WeChat



Youku



Facebook



Twitter



LinkedIn



Google+

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