

**ZOGLAB**

Measuring range  $-40^{\circ}\text{C} \sim 100^{\circ}\text{C}$ ,  $0\% \sim 100\%RH$

Measuring accuracy  $\pm 0.1^{\circ}\text{C}$ ,  $\pm 1.5\%RH$

Long-term stability  $< 0.1^{\circ}\text{C}/\text{year}$ ,  $< 1\%RH/\text{year}$

Support 6 channels of Temp & RH probes

Support communication via RS232/RS485, USB, LAN

Built-in battery can continuously work for 12 hours



# HM2000

## PRECISION HYGROMETER



# HM2000



# HM2000



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## PRECISION HYGROMETER

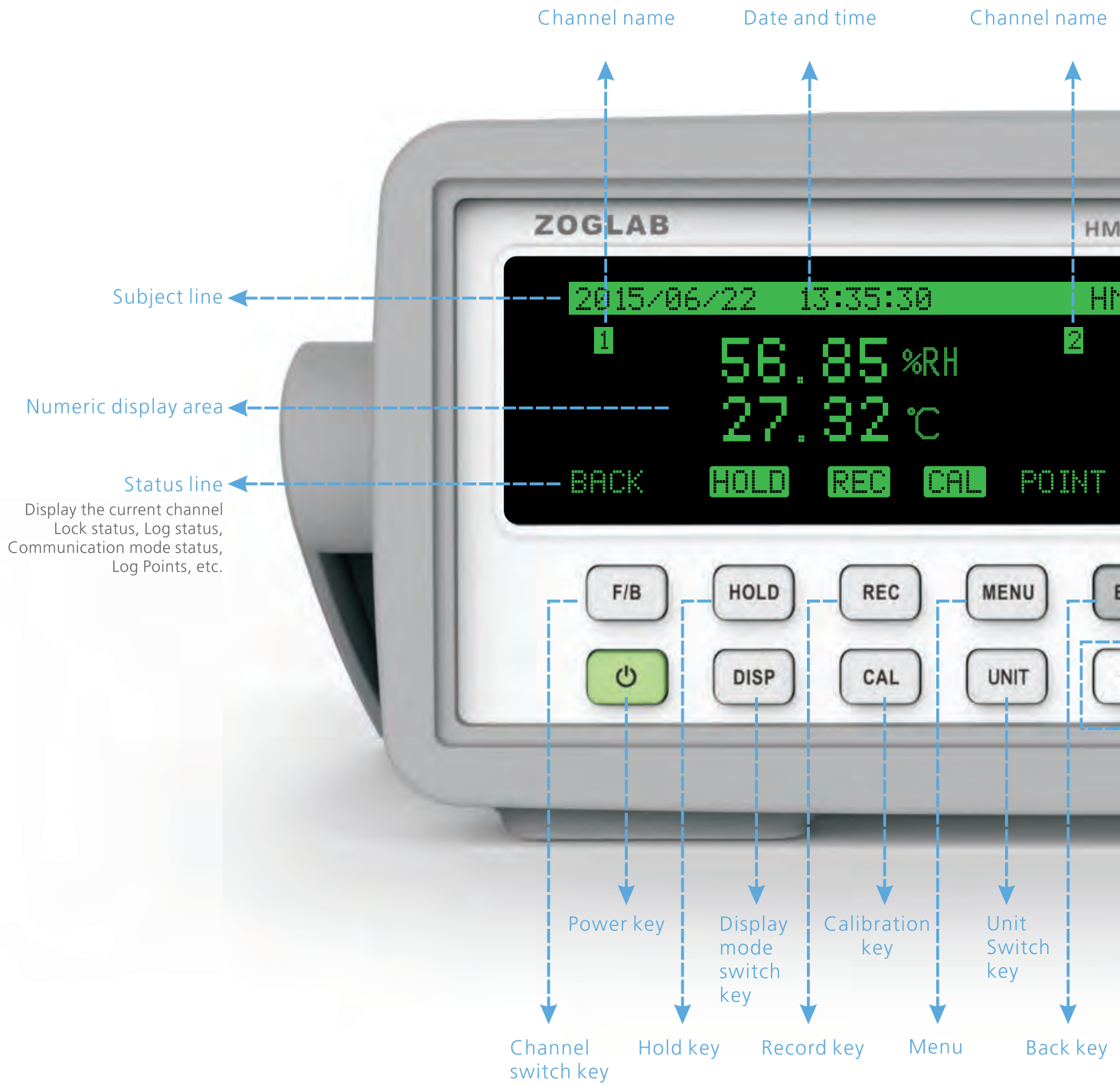
HM2000 is a precision hygrometer and could connect 6 channels of Temp & RH probes; HM2000 is equipped with high-bright display, so clear reading could be effective under sunshine; Large screen supports a variety of display modes, and can display two units of temperature and humidity data simultaneously; Serial port, Ethernet and USB communication interfaces are available; Built-in battery can unceasingly work for more than 12 hours, humanized design and convenient operation.

HM2000 supports that two front and four post channels of probe interfaces are switchable; Built-in data logger could support data to be exported to the external USB flash disk; HM2000 is an ideal laboratory reference standard with CE / FCC / VCCI / C-TICK, etc. Certified. HM2000 is a high cost-effective Temp & RH standard meter and can conduct adjustment and calibration for multiple probes simultaneously, improving working efficiency to the large extent.

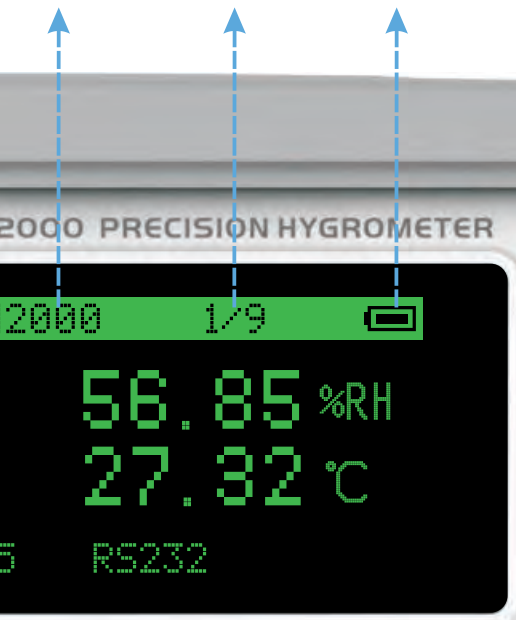
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- Support 6 channels of Temp & RH probes
- Support communication via RS232/RS485, USB, LAN
- Built-in battery can continuously work for 12 hours



# HM2000 • Host Machine



Model    Display mode number    Power state



Front channel 1 interface

Front channel 2 interface

Front USB interface  
External mobile storage  
for data backup, transmission

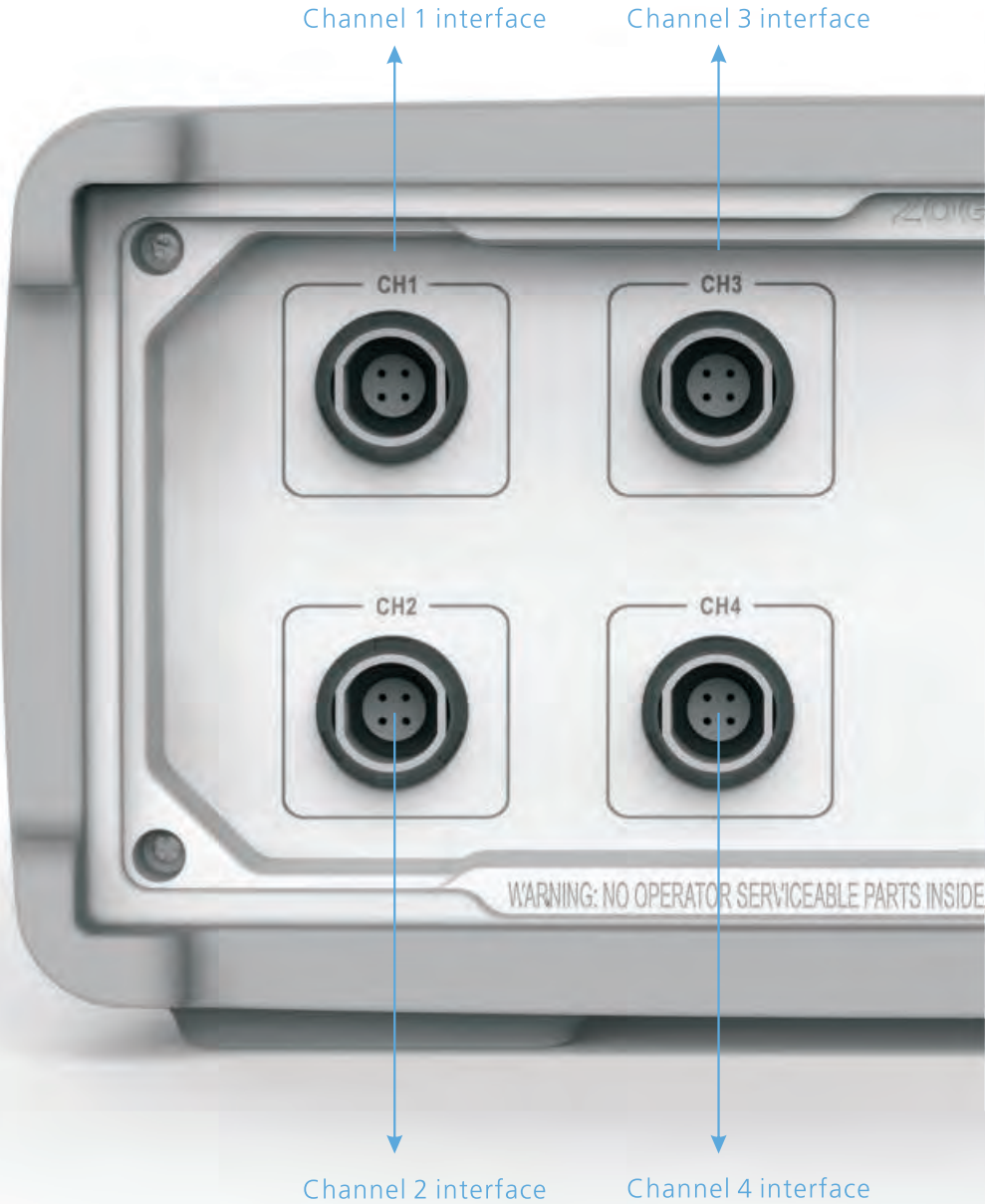


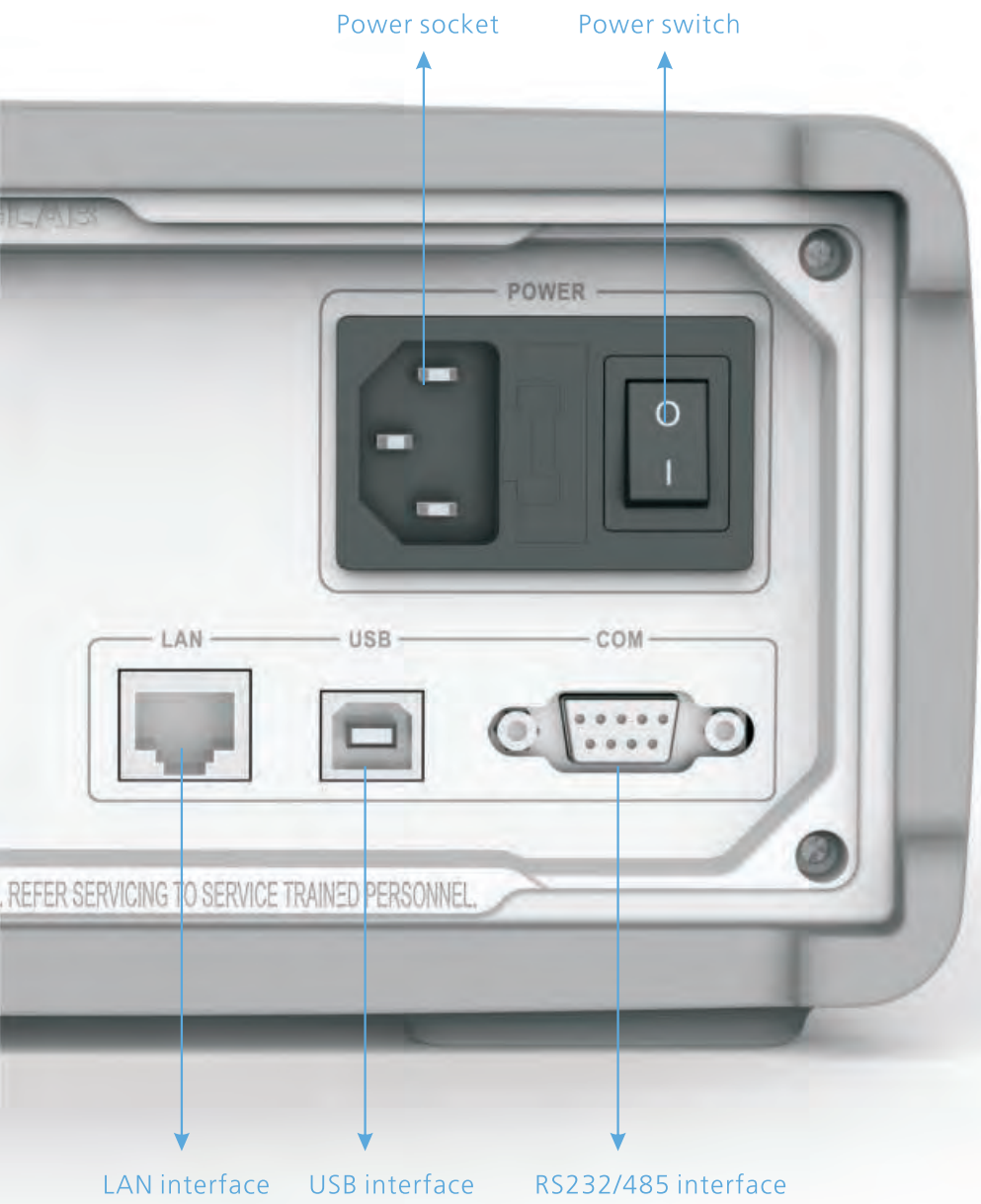
Direction key

OK key



HM2000 • Host Machine





Power socket

Power switch

LAN

USB

COM

LAN interface

USB interface

RS232/485 interface

REFER SERVICING TO SERVICE TRAINED PERSONNEL.

# HM2000 • Functions and Features



## Measurement

- T measuring range  $-40^{\circ}\text{C}\sim 100^{\circ}\text{C}$
- T measuring accuracy  $\pm 0.1^{\circ}\text{C}$
- RH measuring range  $0\% \sim 100\% \text{RH}$
- RH measuring accuracy  $\pm 1.5\% \text{RH}$



## Stability

- Temperature Long-term stability  $< 0.1^{\circ}\text{C}/\text{year}$
- Humidity Long-term stability  $< 1\% \text{RH}/\text{year}$



## Calibration

- Support Temp & RH online calibration
- Support calibration expired reminder



## Display

- High-bright OLED display for indoor and outdoor use
- Support for multiple display modes





## Probe

- Support measurement with 6 channels of probes
- Two front and four post channels of probe interfaces are switchable



## Logging

- Internal 8000 units of measuring data memory
- Support external USB flash disk to export data



## Communication

- Support RS232/RS485,USB,LAN communication interface
- Support remote control and network use
- Support embedded Web operation



## Power Supply

- 100~240VAC universal input
- Built-in lithium polymer battery support continuous work for 12 hours

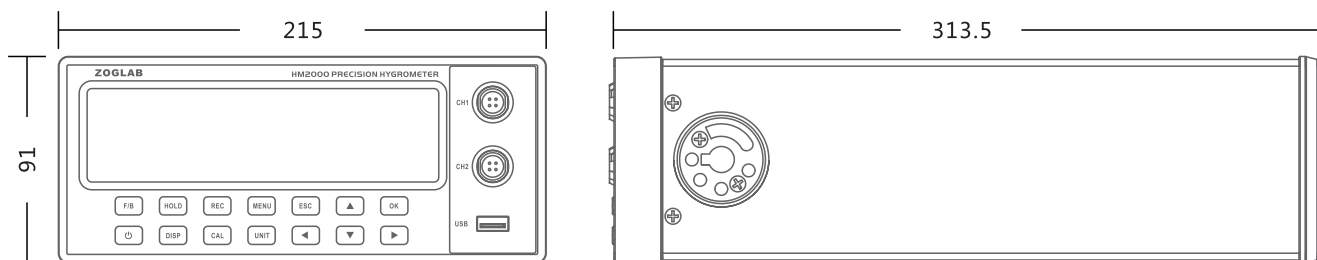
## Technical Specification

T Specification	
T measuring range	-40°C~100°C
T measuring accuracy	±0.1°C(-20°C~40°C)
T resolution	0.01°C
Long-term stability	< 0.1°C/year

RH Specification	
RH measuring range	0%~100%RH
RH measuring accuracy	±1.5%RH, high accuracy type ±0.5%RH (15%~85%RH), testing environment 23°C±2°C
RH resolution	0.02%RH
Long-term stability	< 1%RH/year

General Specification	
Measuring period	Two channels 2 seconds
Display unit	°C、°F、%RH、g/m <sup>3</sup>
Logging interval	1 second~24 hours
Memory size	Internal 8000 units, external USB Flash disk
Probe interface	4-core wire special socket
Calibration	Fixed point calibration, linear calibration
Interface	RS232/485,USB,Ethernet(LAN),Web Service
Working environment	10~40°C, 10%~95%RH(Non condensing)
Storage environment	-20°C~70°C, 10%~95%RH(Non condensing)
Power supply	100~240VAC 0.5A, 50~60Hz
Battery	7.4V 2600mAh, lithium polymer battery
Battery lifetime	12 hours(Continuous work)
EMC	EN50081-1 Class B, EN 50082-1 Class B
ESD Protection	± 25KV
Weight	3.5kg
Dimensions	215 × 91 × 313.5mm
Certificate	CE, FCC, VCCI, C-CITK

### Dimensions(mm)



# HM2000 • Accessories

## Standard Accessories

Serial communication cable



LAN communication cable



Power cable



USB communication cable



User's manual



Warranty card



WEEE card



Qualification



Maintenance manual



Calibration Certificate



CD



## Optional Accessories

HC2-S



HC2-SH



Anti-explosion transport case



HMP110



HMP155



## Ordering Information

Ordering model	Features
HM2000-PRO	6 pcs of HC2-S Probes
HM2000-STD	2 pcs of HC2-S Probes
HM2000-LTD	1 piece of HC2-S Probe



International Free Call

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Official



Weibo



WeChat



Youku



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Google+

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