ZOGLAB

Measuring range -40℃ ~ 100℃, 0% ~ 100%RH

Measuring accuracy ± 0.1℃, ±1.5%RH

Long-term stability < 0.1℃/year, < 1%RH/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
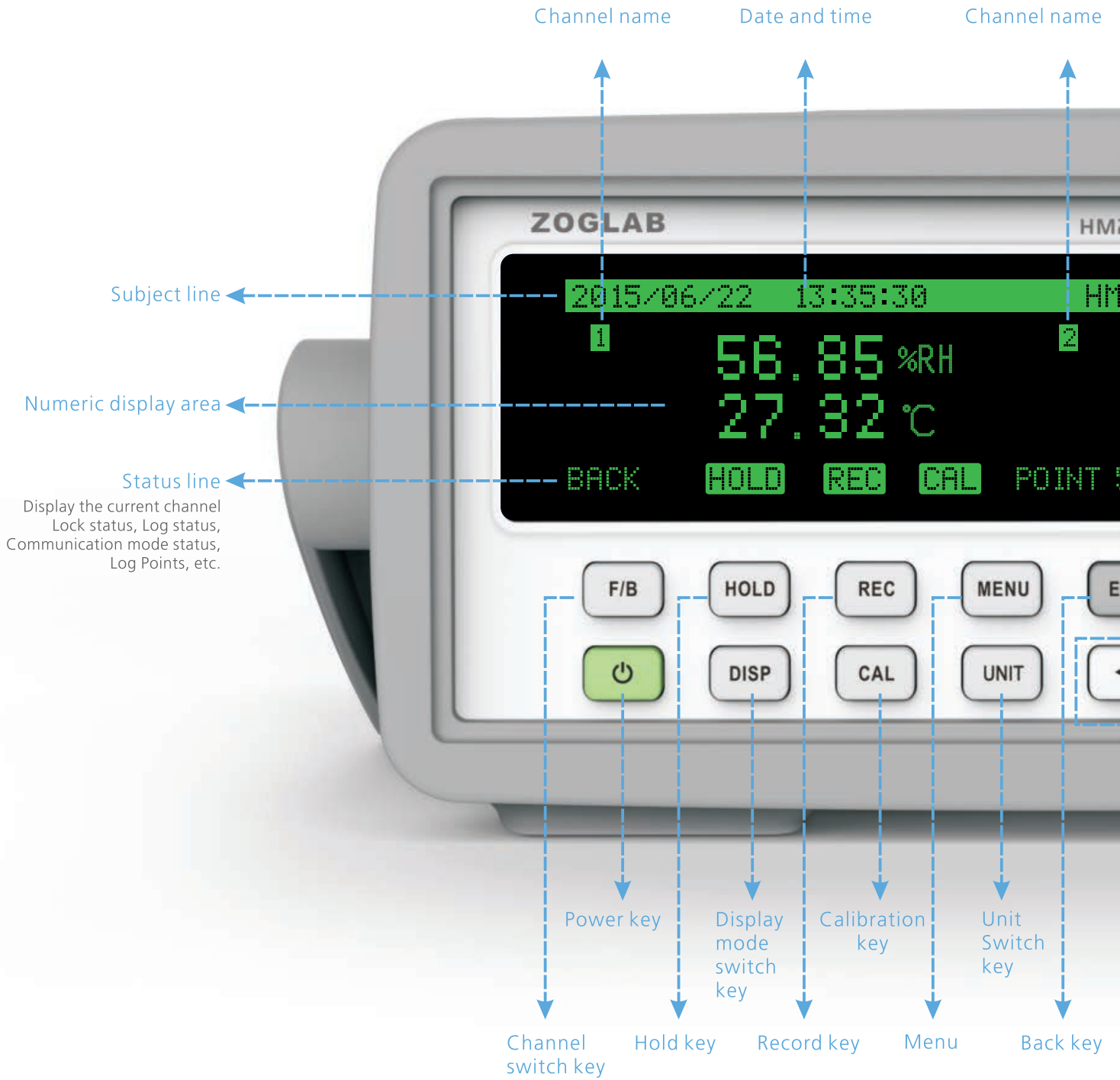
HM2000

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.
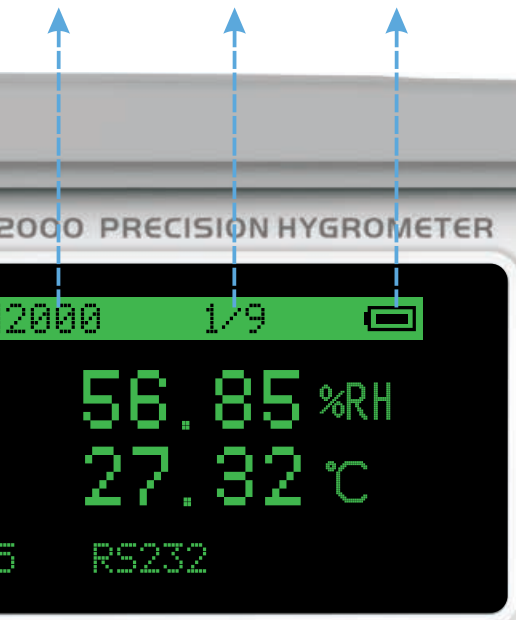
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HM2000 · Host Machine

Channel name Date and time Channel name

Subject line

Numeric display area

Status line

Display the current channel
Lock status, Log status,
Communication mode status,
Log Points, etc.

ZOGLAB   HM

2015/06/22   13:35:30   HM

1   2

56.85 %RH
27.32 ℃

BACK   HOLD   REC   CAL   POINT

F/B   HOLD   REC   MENU   E

DISP   CAL   UNIT

Power key   Display   Calibration   Unit
             mode   key   Switch
             switch   key
             key

Channel   Hold key   Record key   Menu   Back key
switch key

Model   Display mode   Power state

number

2000 PRECISION HYGROMETER

2000   1/9   ▭

56.85 %RH

27.32 ℃

RS232

CH1   Front channel
1 interface

CH2   Front channel
2 interface

USB

SC   ▲   OK
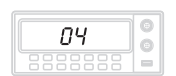
◀   ▼   ▶

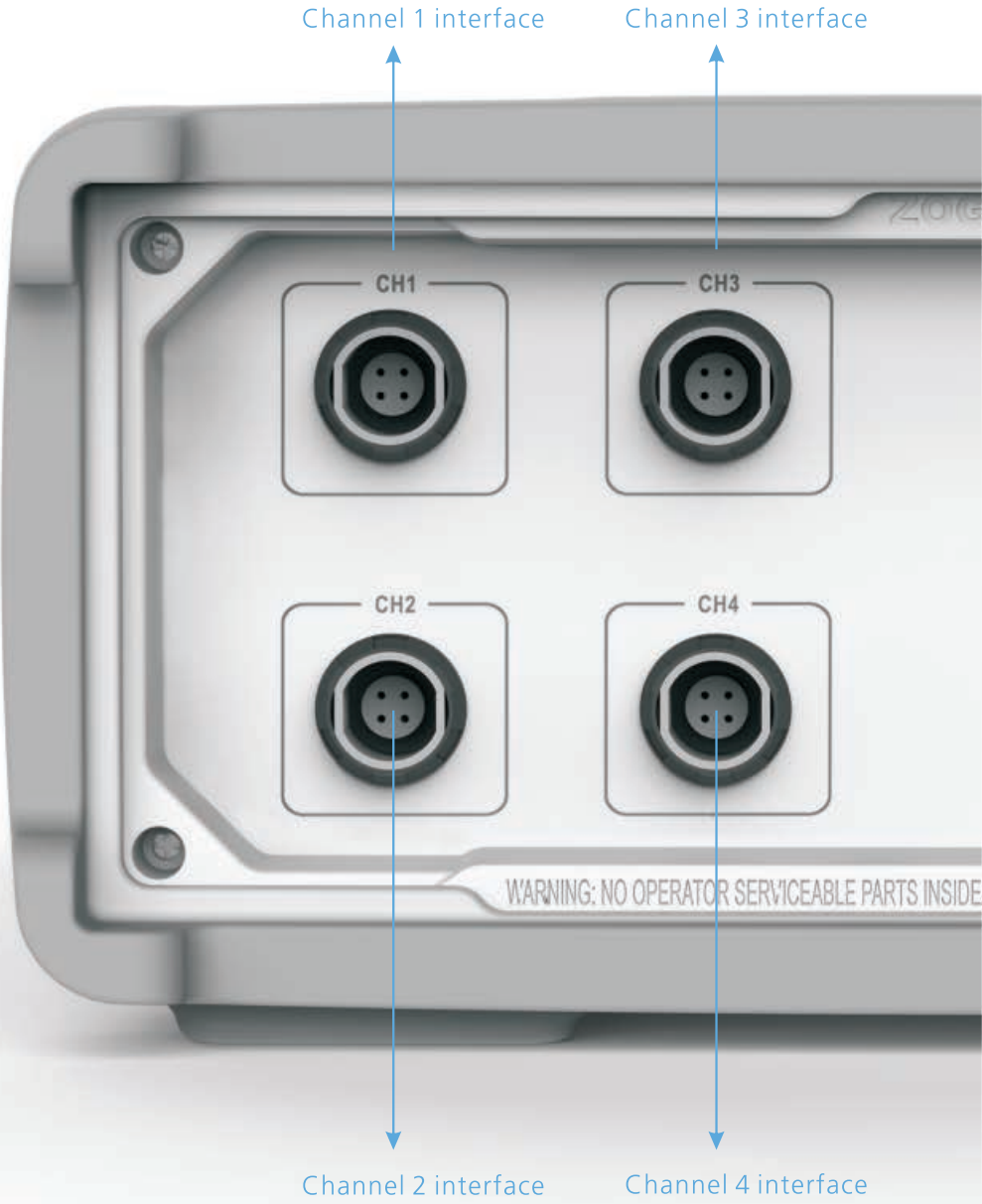Direction key   OK key   Front USB interface

External mobile storage
for data backup, transmission

HM2000 • Host Machine

Channel 1 interface

Channel 3 interface

CH1

CH3

CH2

CH4

WARNING: NO OPERATOR SERVICEABLE PARTS INSIDE

Channel 2 interface

Channel 4 interface
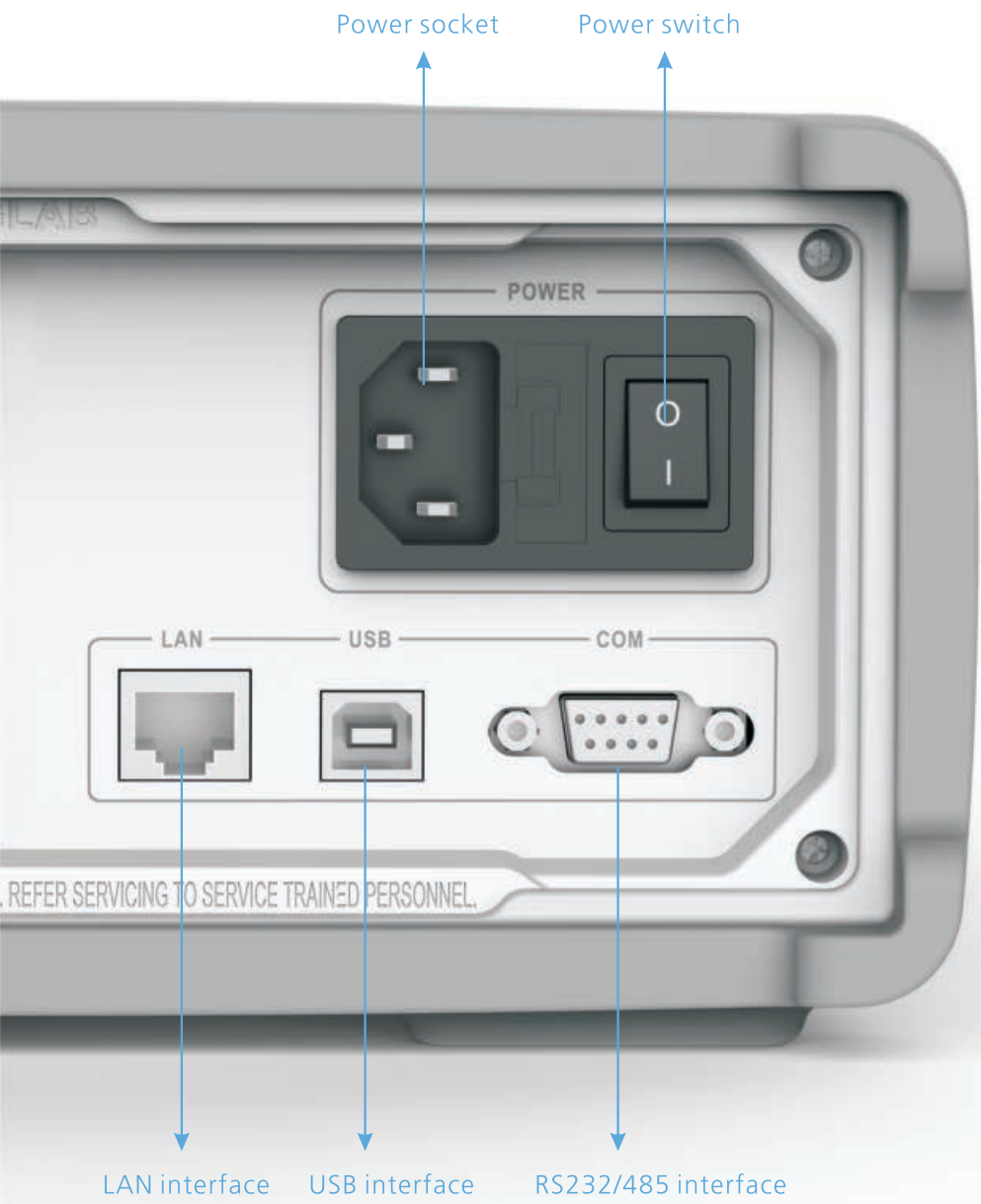
Power socket   Power switch

POWER

LAN   USB   COM

REFER SERVICING TO SERVICE TRAINED PERSONNEL.

LAN interface   USB interface   RS232/485 interface

Measurement

· T measuring range -40℃~100℃

· T measuring accuracy ±0.1℃

· RH measuring range 0%~100%RH

· RH measuring accuracy ±1.5%RH

Stability

· Temperature Long-term stability <0.1℃/year

· Humidity Long-term stability <1%RH/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

12 Hour

100~240 VAC

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℃~100℃
T measuring accuracy	±0.1℃(-20℃~40℃)
T resolution	0.01℃
Long-term stability	< 0.1℃/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℃±2℃
RH resolution	0.02%RH
Long-term stability	< 1%RH/year

General Specification

Measuring period	Two channels 2 seconds
Display unit	℃、℉、%RH、g/m³
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℃, 10%~95%RH(Non condensing)
Storage environment	−20℃~70℃, 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)
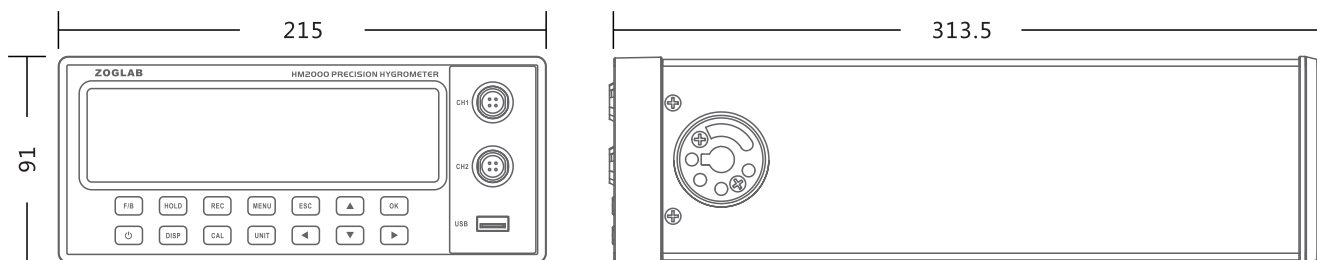
Standard Accessories

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

RECYCLABLE
Printed in China

International Free Call

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Official	Weibo	WeChat	Youku
Facebook	Twitter	Linkedin	Google+

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