

ZOGLAB

- Measuring range 0~2500/4000/5000/7500Pa to choose from
- Measuring accuracy 0.01%FS, 0.03%FS
- Support multiple pressure units to choose from
- Customized wind speed measurement
- 7 inch TFT touch screen for better user experience



DPM2500

PRECISION DIFFERENTIAL PRESSURE METER



DPM2500



DPM2500

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PRECISION DIFFERENTIAL PRESSURE METER

DPM2500 is a precision differential pressure meter; 0~2500/4000/5000/7500Pa measuring range to choose from; highest accuracy could reach 0.01%FS.

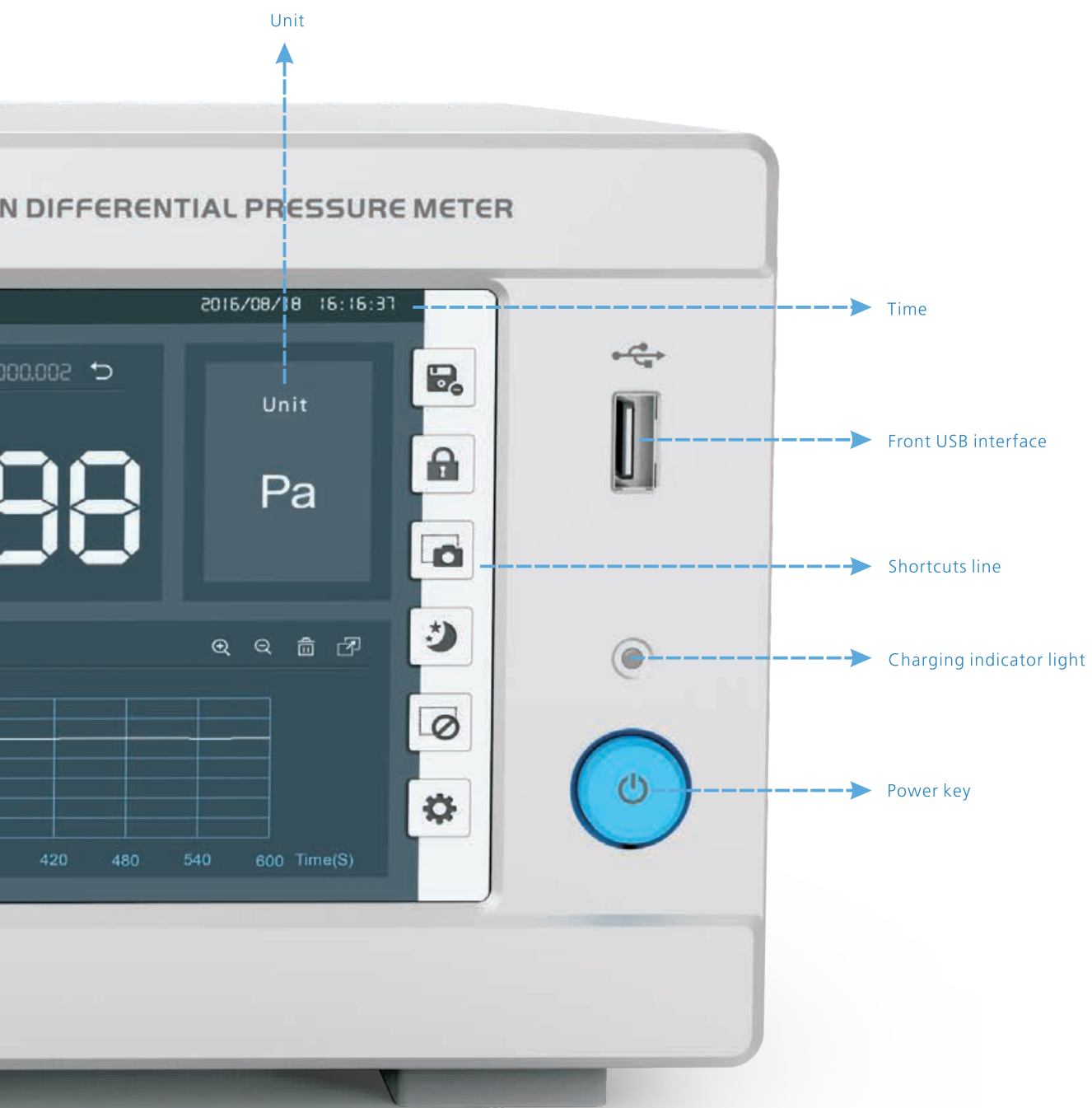
DPM2500 adopts humanized design, 7 inch TFT touch screen for friendly interface; Multiple pressure units to choose from; multiple communication interfaces; built-in battery could support continuous work for 8 hours. It is used to verify the accuracy of field pressure indicators/transmitters or as a laboratory standard and wherever there is a need for a high level of pressure accuracy in manufacturing, testing and calibration of pressure instruments or gauges. DPM2500 supports wind speed measuring mode for wind tunnel, and could read the data of temperature, humidity and pressure, which highly improve the working efficiency of wind speed sensor in meteorological industry.

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- Customized wind speed measurement
- 7 inch TFT touch screen for better user experience
- Support RS232/485, USB, LAN communication interfaces
- Built-in battery could support continuous work for 8 hours

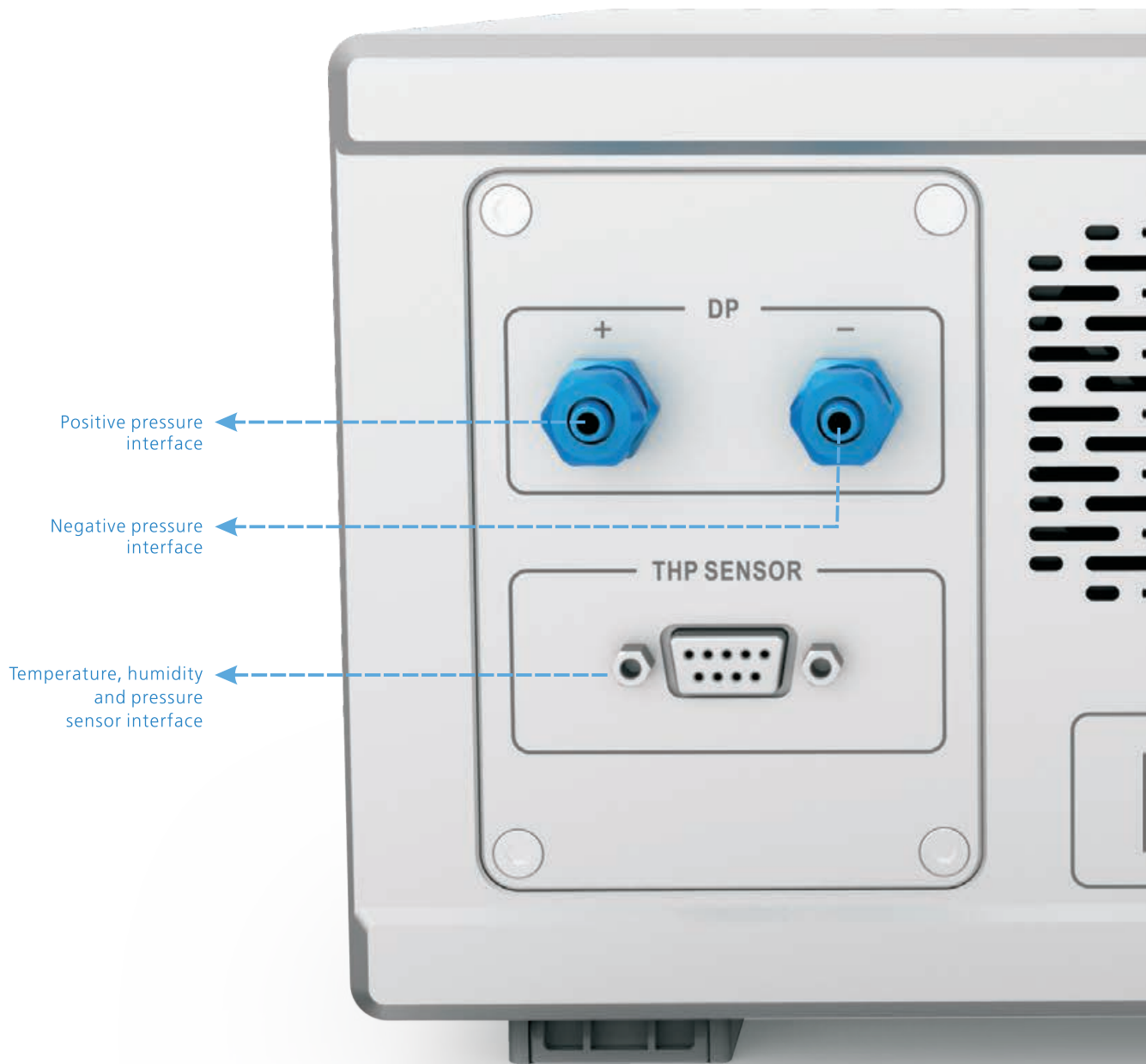


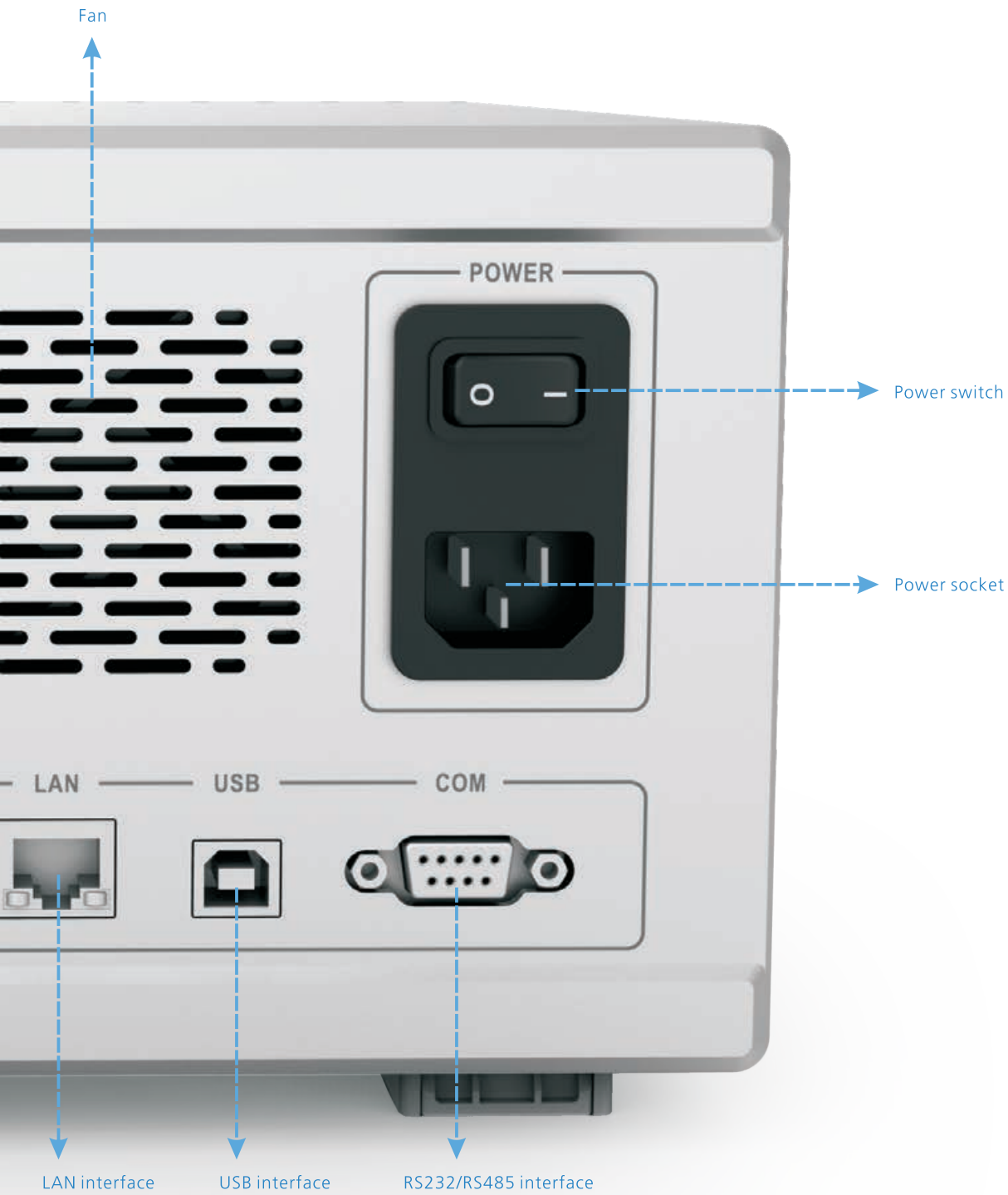
DPM2500 • Host Machine



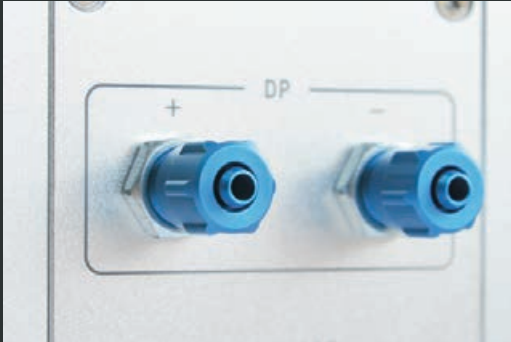


DPM2500 • Host Machine



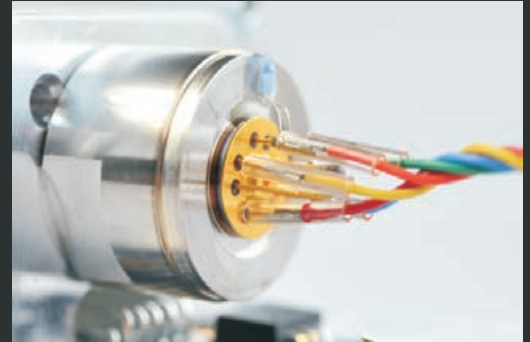


DPM2500 • Functions & Features



Differential Pressure Measurement

- Max measuring range 0~7500Pa
- Highest accuracy 0.01%FS
- Resolution 0.001Pa



Stability

- Stability superior to 0.03%FS (Within calibration validity)



Calibration

- Support online multiple points calibration
- Support calibration expired reminder



Color Touchscreen

- 7 inch super big TFT LCD display
- Capacitive touchscreen operation



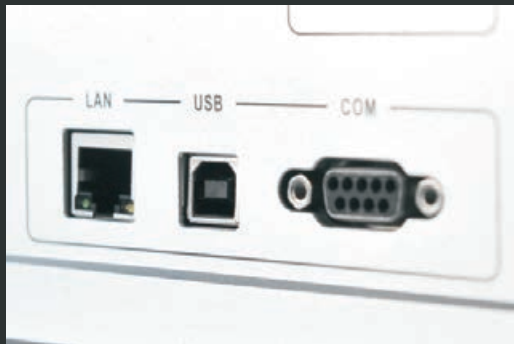
Wind Measurement by Differential Pressure

- Support wind measurement by differential pressure and data could be read directly
- Could connect external sensor to read temperature, humidity and pressure value



Logging

- Internal storage capacity of 1G, and could extend to external storage
- Support USB flash disk to export data



Communication

- Support RS232/485, USB, LAN communication interfaces
- Support remote control and group networking application
- Support embedded Web operation



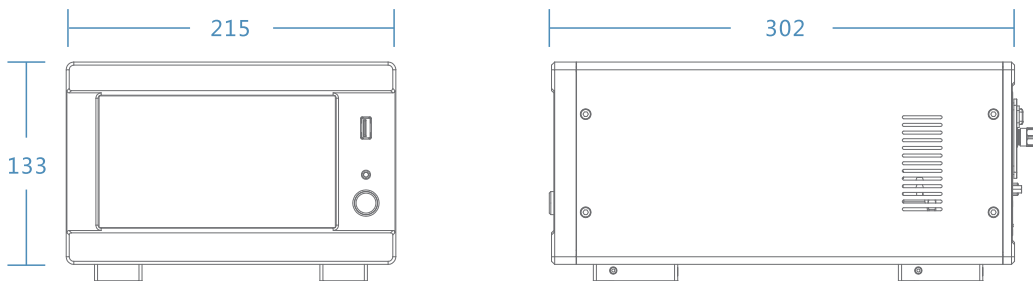
Power Supply

- 100~240 VAC universal input
- Built-in lithium polymer battery support continuous work for 8 hours

DPM2500 • Technical Specification

| Technical specification | |
|--|---|
| Differential pressure measuring range | 0~2500Pa , 0~4000Pa , 0~5000Pa , 0~7500Pa |
| Differential pressure measuring accuracy | 0.01%FS , 0.03%FS |
| Differential pressure measuring resolution | 0.001Pa |
| Over-pressure limit | 150%FS |
| Preheating time | < 15mins |
| Calibration validity | 365 days |
| Display | 7 inch, 800 X 480 TFT LCD touch screen |
| Working environment | -10~40°C , 10%~95%RH(Non condensing) |
| Storage environment | -20~70°C , 10%~95%RH(Non condensing) |
| Power supply | 100~240VAC 0.5A, 50/60Hz |
| Battery | Lithium polymer battery 14.8V/8000mAh |
| Battery life | Continuous work for 8 hours/ standby for 90 days |
| Communication interface | RS232/485 , USB , LAN |
| EMC | EN 50081-1 Class B EN 50082-1 Class B |
| ESD Protection | ±25KV |
| Dimensions | 215×133×302mm (w/h/d) (3U, 1/2 size of 19 inch rack) |
| Weight | 4.5kg |
| Certificates | CE,FCC,VCCI,C-TICK |

Dimensions(mm)



DPM2500 • Accessories

Standard Accessories

Serial communication cable



User's manual



LAN communication cable



Warranty card



USB communication cable



Qualification



Power cable



Maintenance manual



Calibration Certificate



WEEE card



CD



Optional Accessories

Pressure channel tee-junction



Pressure channel cross-junction



Ordering Information

| Ordering model | Features |
|----------------|---|
| DPM2500-2K5 | measuring range 0~2500Pa , measuring accuracy 0.01%FS |
| DPM2500-4K0 | measuring range 0~4000Pa , measuring accuracy 0.01%FS |
| DPM2500-5K0 | measuring range 0~5000Pa , measuring accuracy 0.01%FS |
| DPM2500-7K5 | measuring range 0~7500Pa , measuring accuracy 0.01%FS |

International Free Call

+86-400-8878-571



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ZOGLAB Microsystem Co.,Ltd

Tel: +86-571-87176990(16 lines) Fax: +86-571-87176992 E-mail: sales@zoglab.cn
Add: Floor 1-3, South Block, Building A, KUNLUN Science Park, No.61 BaijiaYuan Road,
West Lake District, Hangzhou, CHINA P.C:310023

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