

## ZA-3500/ZA-3501 Portable Dew Point Meter



ZA-3500



ZA-3501

### Brief Introduction

It takes high-performance dew point transmitter and integrates multiple up-to-date research achievement and proprietary technology in measurement of dew point. It has the function of SF<sub>6</sub> moisture automatic conversion in standard condition and software upgrading. It is one of existing dew point measurement instruments with the most advanced technique and the most powerful function.

Non-toxic discharge device is optional to protect your working environment.

### Main features

- ◆ Micro automatic conversion in standard condition (ppms accords with the latest national standard)
- ◆ Self-calibrating of zero point and slope at starting up (proprietary technology)
- ◆ Calibration of dew point with full-scale range by single-point method (proprietary technology)
- ◆ Sensor drying protection device (proprietary technology)
- ◆ Operation and control by color touch screen
- ◆ Storage and printing of measurement data
- ◆ Intelligent prompting of electricity quantity, intelligent charging protection
- ◆ Lithium battery supply super-long standby
- ◆ SF<sub>6</sub> gas non-toxic discharge device internal and print function (optional)\*

### Technical parameters

Measurement of dew point: -80~+20°C  
when the dew point temperature is lower than 0°C,  
the output of sensor is frost point

Typical precision: better than ±1°C

Response time (Td) :

When the gas temperature is 20°C:

-60→-20°C 5s (63%), 10s (90%)

-20→-60°C 45s (63%), 10min (90%)

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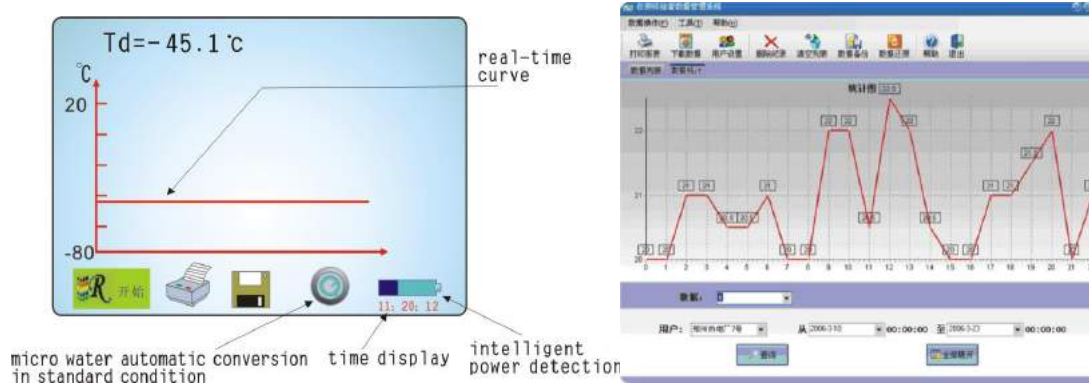
Operation environment:

Temperature	-10~+60℃
Relative humidity	0~100%RH (non condensation)
Pressure	one barometric pressure

Parameters of complete appliance:

Working flow	no influence
Power supply	built-in lithium battery (7.2V 8000mAh), AC/DC
Using time	> 10 h
Digital output	RS232C USB2.0
Printing*	24 characters/row, stylus printer
Dimensions	273mm×257mm×143mm
Weight	About 5.6kg

Figure



1. Real-time curve display
2. Printing of measured data\*
3. Storage of measured data
4. Micro water automatic conversion in standard condition (ppms accords with the latest national standard)
5. System time display
6. Display of electricity quantity
7. Setting of printing data\*
8. File storage system
9. Network communication
10. Chinese and English bilingual interface

\*Users can choose either SF<sub>6</sub> gas non-toxic discharge device internal or print function.

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