

DESCRIPTION

The YPL-10 High Temperature Data Logger shell is made of special alloy material. The alloy material with high mechanical strength, high temperature resistance, environmental protection and non-toxic, wear resistance and corrosion resistance.

We also use the latest and most advanced semiconductor technology to expand the temperature range of the instrument to $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$ ($-40^{\circ}\text{F} \sim +257^{\circ}\text{F}$), and to improve the protection class to IP67 to meet high humidity, high heat and sealed environment.

The instrument has excellent storage capacity and up to 32,000 storage points to meet the measurement and recording needs of most users.

YPL-10 is equipped with professional PC application software-DGraph™, which is well compatible and can run in a variety of system environments such as Windows XP/Vista/7/8(32-bit and 64-bit versions).After installing the USB driver and DGraph™ software, the user can directly insert the instrument into the USB port of the PC, and then configure the instrument parameters and read the recorded data according to different needs through the software.

When using the instrument, the user can set or modify the sampling interval (1 second ~ 24 hours), high/low alarm limit and start/stop mode of the instrument through DGraph™ software, and the data can be downloaded to the PC for viewing, analysis and printing. The data read from DGraph™ software, can be saved as other formats, such as TXT, XSL, CSV, BMP or JPG.

In special applications, users can also set an access password, encrypt the instrument, and enter calibration data to correct the instrument parameters.



YPL-10

FEATURES

- **Dual-Core Processing Unit**
- **+125°C (+257°F) Maximum Operating Temperature**
- **-40°C (-40°F) Minimum Operating Temperature**
- **0.1°C (0.18°F) — the Whole Measuring Range Resolution**
- **±0.2°C (±0.36°F) Measuring Accuracy**
- **Up to 32,000 Sets of Temperature Data Can Be Recorded**
- **Special Alloy Body, Safe and Reliable**
- **IP67 Protection Class**
- **The Upper Computer Shows the Battery Power**
- **LED Indicates Working Status**
- **Super Low Power Consumption and Long Standby Time**
- **Power off and Data Is Not Lost**
- **USB Communication Interface, Data Transmission Is Convenient and Fast**

APPLICATIONS

- **High Temperature Disinfection Monitoring**
- **Greenhouse**
- **Laboratory**
- **Air Conditioning Monitoring**
- **Shipping, Aviation and Aerospace**
- **Environment Monitoring**
- **Museum**
- **Cold Storage and Food Preservation**
- **Medicine, Pharmacy, Agriculture**
- **Studies of Oceans and Rivers**
- **Warehouse Temperature Monitoring**
- **Process Temperature Monitoring**

NOTES

- When setting parameters at the PC end or reading recorded data, the instrument needs a battery supply.
- Do not reconnect the positive and negative batteries.
- Tighten the battery cover and USB cover before use to prevent infiltration of liquid and dust.
- If you have any doubt, please contact professional after-sales service in time.

WARNINGS

- **Use instrument illegally with hidden dangers!**
 - Must use our designated standard battery!
 - Do not use this instrument in oxidizing and corrosive environment!
 - It must be used under the environmental conditions specified by this instrument (especially the operation environment), otherwise the battery may explode!
 - We will not be responsible for used illegally with any danger in the use process!
- **The inner rubber ring of the instrument is an important waterproof and dustproof device, unauthorized dismantling is prohibited!**
 - Dust and liquid around the rubber ring must be inspected and cleaned before the cover is used. Or the protection level of the instrument will be lowered.
 - If any damage is found, please contact the after-sale service and use it after repair.

TECHNICAL DATA

Accuracy	$\pm 0.2^{\circ}\text{C}$ / $\pm 0.36^{\circ}\text{F}$ ($0^{\circ}\text{C} \sim +65^{\circ}\text{C}$ / $+32^{\circ}\text{F} \sim +149^{\circ}\text{F}$) Others: See the chart below
Measuring Range	$-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$ ($-40^{\circ}\text{F} \sim +257^{\circ}\text{F}$)
Resolution	0.1°C (0.18°F)
Data Storage Capacity	32000 record data points
Sample Interval	1s to 24 hours, user can choose
Start Mode	Start immediately; Timing start
Stop Mode	When full; When Into USB
Operating Temperature	$-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$ ($-40^{\circ}\text{F} \sim +257^{\circ}\text{F}$)
Storage Temperature	$-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$ ($-40^{\circ}\text{F} \sim +185^{\circ}\text{F}$)
Protection Class	IP67
Standards	CE, RoHS, EN 12830
Weight	About 100g (No Battery)
Dimensions	$\Phi 18\text{mm} \times 115\text{mm}$
Battery Type	3.6V high temperature battery, user-replaceable
Warranty	1 year

