

# יוניטד מכשור בע"מ

## אוגר נתונים לטרמוקפלים

### UIL LOG1500

UIL LOG1500 portable multi-channel thermocouple data logger, supports up to 16 channels thermocouple signal input. The collected data information can be displayed vividly through digital interface, bar chart interface, real-time curve and other forms. The device has rich peripheral interfaces such as USB, TF card, RJ45 and WiFi. It is a portable recording instrument with rich functions, high integration and intelligence



#### Features

1. Support multi-channel input and up to 16 channel thermocouple input.
2. Support multiple types of Thermocouple Input: K / J / E / T / R / S / N / B / C ; Wide temperature detection range : - 270 ~ 2320 °C.
3. The fastest sampling frequency can reach 1s.
4. It has the function of viewing real-time data curve and historical data curve.
5. Large data storage capacity. Single record capacity: 100000 records ; Total data recording capacity: 8 million records
6. A variety of external interfaces, support U disk and SD card to export the historical data, meet various needs of users.
7. Support USB flash disk and SD card to upgrade the program, which is convenient for users.



Temperature range -270~2320°C



Waterproof and dustproof grade: IP54



1s sampling and recording



5-inch touch color screen



Convenient touch screen operation



Large storage space



USB interface



Intelligent display function



Support external SD card expansion



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Thermocouple input (excluding cold junction error), accuracy does not include cold junction compensation error, cold junction compensation error:  $\pm 1.5^{\circ}\text{C}$

K	-270-1370°C	0.01°C	$\pm 0.5^{\circ}\text{C}$
J	-200-760°C	0.01°C	$\pm 0.5^{\circ}\text{C}$
E	-270-980°C	0.01°C	$\pm 0.5^{\circ}\text{C}$
T	-270-400°C	0.01°C	$\pm 0.5^{\circ}\text{C}$
R	-50-1760°C	0.01°C	$\pm 2^{\circ}\text{C}$
S	-50-1760°C	0.01°C	$\pm 2^{\circ}\text{C}$
N	-270-1300°C	0.01°C	$\pm 0.5^{\circ}\text{C}$
B	50-1820°C	0.01°C	$\pm 2^{\circ}\text{C}$
C	0-2320°C	0.01°C	425°C: $\pm 4.5^{\circ}\text{C}$ , 425-2320°C: 1.0%

#### Product informations

Dimensions	189.3*103.5*39mm (With protective sleeve)
Display	5 inch capacitive touch screen, resolution 800 * 480
Number of channels	8-channel/12-channel/16-channel thermocouple input
Storage capacity	Single record capacity: 100000 records ; Total data recording capacity: 8 million records
Internal storage	32GB
External transfer	Support U disk (USB 2.0), SD card (32G)
Ethernet	Transmission rate: 10m / 100M bit / s , full duplex and half duplex
WIFI	2.4G (Optional)
Battery capacity	5000mAh
Sampling frequency	1s at fast
Recording frequency	1s at fast
Data format	CSV fofile format
Working temperature	-10-50°C
Storage temperature	-20-60°C
Relative temperature	5% - 95% RH, no condensation
Shell material	PC / ABS material and TPE