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HuatoLogger

HUATO



Multifunctional Logger

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Portable Multi- Channel Thermocouple Data Logger



S1500 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.

Models	Function description	
S1508T	8-Channel thermocouple input	
S1512T	12-Channel thermocouple input	
S1516T	16-Channel thermocouple input	

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.





Applications





Workshop



Labs

Warehouse











5-inch touch color screen





Intelligent display function

operation

Waterproof and

dustproof grade: IP54

Convenient touch screen

IP54

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Support external SD card expansion

Large storage space

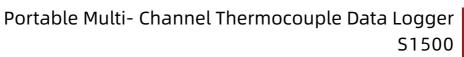
1s sampling and recording



Industrial Design:ZL 2021 3 0425887. X

Patented Product

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 fifile 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







Thermocouple input (excluding	Fhermocouple input (excluding cold junction error), accuracy does not include cold junction compensation error, cold junction compensation error: ±1.5%				
К	-270-1370°C	0.01°C	±0.5°C		
J	-200-760°C	0.01°C	±0.5°C		
E	-270-980℃	0.01°C	±0.5°C		
Т	-270-400°C	0.01°C	±0.5°C		
R	-50-1760℃	0.01°C	±2°C		
S	-50-1760℃	0.01°C	±2°C		
Ν	-270-1300°C	0.01°C	±0.5°C		
В	50-1820℃	0.01°C	±2°C		
С	0-2320°C	0.01°C	425℃: ±4.5℃, 425-2320℃: 1.0%		

