



HUATO

HuatoLogger

08:30 AM

1/2  
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Digits

Bars

Real-time

Sessions

Stop Logging

Storage

Channel Settings

System

Multifunctional Logger



# Portable Multi- Channel Thermocouple Data Logger S1500



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S1500 portable multi-channel thermocouple data logger support Max 16 channels input and multiple thermocouple types simultaneously . This device achieve real-time viewing of multi-channels on device and web page(RJ45 LAN ) synchronously. It is an integrated and intelligent recorder.It also has the functions of external data transfer, web page viewing, RJ45 and so on. It is an integrated and intelligent recorder.

Models	Function description
S1508T	8 Channel universal input
S1512T	12 Channel universal input
S1516T	16 Channel universal 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 ~ 1820 °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, 8-Channel storage capacity of 10 million records,12-channel storage capacity of 6.7 million records, 16-channel storage capacity of 5 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



Factory



Workshop













Labs



Warehouse



 Temperature range -270~2320°C	 Waterproof and dustproof grade: IP54	 1s sampling and recording	 Patented Product
 5-inch touch color screen	 Convenient touch screen operation	 Large storage space	
 USB interface	 Intelligent display function	 Support external SD card expansion	

### Product informations

Dimensions	189.3*103.5*39mm (With ProtectionWith protective sleeve)
Display	5 inch capacitive touch screen, resolution 800 * 480
Number of channels	8-channel/12-channel/16-channel universal 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



# Portable Multi- Channel Thermocouple Data Logger S1500



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%

