

Digitron



HuatoLogger 08:30 AM



Digits



Bars



Real-time



Sessions



Stop Logging



Storage



Channel Settings



System



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



Factory



Workshop



Labs



Warehouse



Temperature range -270~2320°C	Intelligent cloud platform	1s sampling and recording		
5-inch touch color screen	Convenient touch screen operation	Large storage space		Patented Product
USB interface	Intelligent display function	Support external SD card expansion		Industrial Design: ZL 2021 3 0425887. X

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
Battery capacity	5000mAh
Sampling frequency	1s at fast
Recording frequency	1s at fast
Data format	CSV file format
Working temperature	-10-50°C
Storage temperature	-20-60°C
Relative temperature	5% - 95% RH, no condensation
Shell material	PC + ABS material and The protective sleeve is made of 68 degree silicone.



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

Type	Measuring range ($^{\circ}\text{C}$)	Resolution($^{\circ}\text{C}$)	Maximum allowable error ($^{\circ}\text{C}$)
K	-270-1370 $^{\circ}\text{C}$	0.01 $^{\circ}\text{C}$	$\pm 0.5^{\circ}\text{C}$
J	-200-760 $^{\circ}\text{C}$	0.01 $^{\circ}\text{C}$	$\pm 0.5^{\circ}\text{C}$
E	-270-980 $^{\circ}\text{C}$	0.01 $^{\circ}\text{C}$	$\pm 0.5^{\circ}\text{C}$
T	-270-400 $^{\circ}\text{C}$	0.01 $^{\circ}\text{C}$	$\pm 0.5^{\circ}\text{C}$
R	-50-1760 $^{\circ}\text{C}$	0.01 $^{\circ}\text{C}$	$\pm 2^{\circ}\text{C}$
S	-50-1760 $^{\circ}\text{C}$	0.01 $^{\circ}\text{C}$	$\pm 2^{\circ}\text{C}$
N	-270-1300 $^{\circ}\text{C}$	0.01 $^{\circ}\text{C}$	$\pm 2^{\circ}\text{C}$
B	600-1820 $^{\circ}\text{C}$	0.01 $^{\circ}\text{C}$	$\pm 2^{\circ}\text{C}$ (600~1820)
C	0-2320 $^{\circ}\text{C}$	0.01 $^{\circ}\text{C}$	425 $^{\circ}\text{C}$: $\pm 4.5^{\circ}\text{C}$, 425-2320 $^{\circ}\text{C}$: 1.0%

