HUATO

S1500
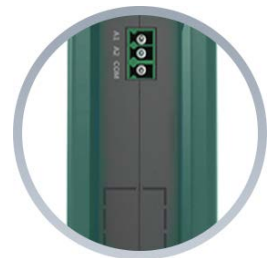
portable paperless mutifunction data logger

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.

HUATO
Multifunctional Logger

HuatoLogger   08:30 AM

1 2 3 4			
Digits	Bars	Real-time	Sessions
Start Logging	Storage	Channel Settings	System

S1500

Features

- Support multi-channel input and up to 16 channel thermocouple input.
- Support multiple types of Thermocouple Input: K / J / E / T / R / S / N / B / C; Wide temperature detection range : - 270 ~ 1820 ℃.
- The fastest sampling frequency can reach 1s.
- It has the function of viewing real-time data curve and historical data curve.
- Large data storage capacity, 8-Channel storage capacity of 10 million records,12-channel storage catacity of 6.7 million records, 16-channel storage capacity of 5 million records.(Calculated according to the standard 32g built-in TF Card)
- A variety of external interfaces,support U disk and SD card to export the historical data,meet various needs of users.
- Support USB flash disk and SD card to upgrade the program, which is convenient for users.

S1500

Model and channel

Models	Function description
S1508T	8 Channels thermocouple Logger
S1512T	12 Channels thermocouple Logger
S1516T	16 Channels thermocouple Logger

Product characteristics

Display	5-inch capacitive touch screen, resolution 800 * 480	Battery life	one quick charge per day, 3-5 years
Overall dimension	189.3 * 103.5 * 36.5mm (with protective cover)	Sampling frequency	Fastest 1s
Channel number	8 channels / 12 channels / 16 channels universal input	Data format	CSV file format
Storage capacity	8-channel storage capacity of 10000000, 12 channel storage capacity of 666666, 16 channel storage capacity of 5000000	Working temperature	-10-50℃
Internal storage	32GB	Storage temperature	-20-60℃
External storage	support USB flash disk (standard USB2.0 communication interface), SD card	Relative humidity	5% ~ 95% RH, no condensation
Ethernet	support 10m / 100M bit / S	Shell material	PC/ABS material, protective sleeve adopts TPE environmental protection material
Battery capacity	5000mAh	Calibration	factory calibration is recommended every 12 months

Input Signal

Thermocouple input (cold jucntion compensation-cjc excluded), accuracy
(cold jucntion compensation-cjc excluded), CJC error: ± 1.5 ℃

Type	Measuring range（℃）	Resolution（℃）	Maximum allowable error（℃）
K	-270-1370℃	0.1	±1℃
J	-200-760℃	0.1	±1℃
E	-270-980℃	0.1	±1℃
T	-270-400℃	0.1	±1℃
R	-50-1760℃	0.5	±2℃
S	-50-1760℃	0.5	±2℃
N	-270-1300℃	0.5	±0.5℃
B	50-1820℃	0.5	±2℃
C	0-2320℃	0.5	＜425℃：±4.5℃, 425-2320℃ :1.0%

Applicable scenario

Widely applied in Electronics ,food industry ,warehousing,textile industry.incubator and scientific research etc.