Digital Thermometer Datalogger

T412

Stellar INSTRUMENTS

T412 is a single channel digital thermometer with recording function to measure temperature by applying the principle of thermocouple temperature measurement. It is integrated with high-precision circuit principle and high-precision reference source inside the instrument, coupled with accurate factory calibration, the resolution of the instrument reaches 0.01℃, and the factory precision reaches ±(0.3%|t|+0.40)℃.

T412 can display temperature change curve & supports the most commonly used K, T and J thermocouple probes. This compatibility with multiple types of probes expands the application fields of the instrument.

This instrument also opens the point calibration function for users, and accurate multi-point calibration can greatly improve the measurement accuracy of the whole machine (the system composed of the host and the probe). The files generated by the recording can be viewed directly on this machine. Also uses data space separation technology, so it can export files in a variety of different formats. Most importantly, the files stored in the instrument can be restored at any time and transferred to other devices. This backup measure effectively reduces the risk of accidental data loss by users.

FEATURES

- Measurement MIN/MAX/AVG
- Display temperature graph
- Temperature data recordable
- High precision
- Over limit alarm
- Support K, T and J thermocouples

TECHNICAL SPECIFICATION

Temperature	Dot matrix LCD screen with backlight
Probe Type	K, T, J type Thermocouple
Unit	℃, ℉
Measuring Range	Type K: -200~1370℃ Type T: -200~400℃ Type J: -200~1200℃
Accuracy	±(0.3%|t|+0.40)℃
Resolution	0.01℃ (-200.00℃~+999.99℃) 0.1℃ (+1000.0℃~+1370.0℃)
Storage Capacity	20000 groups of readings
Storage Capacity	1~86399 seconds adjustable
File Format	txt, csv, xls, dlg
Sample Rate	2 times/second
Calibration	Multi-point calibration
Operating Temperature	-10~50℃(non-condensing)
Battery	3pcs of 1.5V AAA alkaline batteries
Protection Class	IP52
Warranty	12 months
Size	174 x 73 x 40mm
Weight	200g