



Thermochron® iButton Data logger

This surprising data logger looks exactly like a small battery, but has the features of a larger datalogger. The price is on level with disposable chart recorders, however the Thermochron® iButton has an expected life time of up to 8 years.

It is water resistant and accurate to $\pm 1^{\circ}\text{C}$.
To run the system you need a Thermochron® interface, any number of Thermochrons® and software.



Features: Choice of logging intervals, wrap around or stop when memory is full. Comments may be inserted into the file at startup. Speedy download. Real time recording.

The latest versions of the T-TEC software with full features can support these data loggers.

Specifications:

Casing: Stainless steel, propylene seal.
Size: 17.35mm diameter x 5.0mm high
Weight: 3.2 gr.

Water resistant. Watertight enclosures available.

Ambient $-40 +85^{\circ}\text{C}$
Should not be exposed to temperatures in excess of 70°C for prolonged time.
Long storage temperature max. 50°C .

Battery: Built in, non-replaceable, estimated life time 2 to 7 years depending on ambient temperature and number of logs.

Measurements:

Intervals: May be set from 1 minute to 2 hours.
Memory: DS 1921: 2048 logs
DS 1922: 4096 logs high res. 8192 low res.
DS 1923: 2048 logs high res. 4096 low res.

Interface: Special adaptors for serial port or USB port.

Security ID Engraved unique serial no. on case.
This no. also embedded in internal electronics.

Temperature ranges:

DS1921G-F5# $-40 +85^{\circ}\text{C}$, resolution 0.5°C
DS1921Z-F5# $-5 +26^{\circ}\text{C}$, resolution 0.125°C

DS1922L-F5# $-40 +85^{\circ}\text{C}$
DS1922T-F5# $0 + 125^{\circ}\text{C}$
DS1922E-F5# $+15 +140^{\circ}\text{C}$

DS1923-F5# $-20 +85^{\circ}\text{C}$, 0 - 100%RH

Accuracy: Temperature $\pm 1^{\circ}\text{C}$

Accuracy: Timing ± 2 minutes per month
For ambient of $0 +45^{\circ}\text{C}$
Maximum error ± 8 minutes per month
Alarms: Two alarm points (Max and Min) may be set in software when starting the logging.

Alarm status and time in alarm is shown when querying the logger from the PC

Software: T-TEC Software
FDA 21CFR Part 11 compliant
Accessories: Different forms of holders (fobs)

Thermochron is a trade mark of Maxim Integrated Products, Inc.

TEMPERATURE TECHNOLOGY

263 Gilbert Street, Adelaide SA 5000
Telephone 08-8231 1266 Fax 08-8231 1212

sales@t-tec.com.au www.t-tec.com