

## 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.  
Watertight  
Meets UL#913 for intrinsically safe apparatus,  
Approved under entity Concept for use in  
Class I division 1, Group A,B,C and D  
locations (application pending)  
Ambient  $-40 +85^{\circ}\text{C}$   
Should not be exposed to temperatures in  
excess of  $70^{\circ}\text{C}$  for prolonged time.  
Long storage temperature max.  $50^{\circ}\text{C}$ .

Battery: Built in, non-replaceable, estimated life  
time up to 8 years, depending on ambient  
and no. of logs taken.

Measurements:  
Intervals: May be set from 1 minute to 2 hours.  
Memory: 2048 logs + space for comments and  
alarm updates.

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-F50  $-40 +85^{\circ}\text{C}$ , resolution  $0.5^{\circ}\text{C}$   
DS1921H-F5  $+15 +46^{\circ}\text{C}$ , resolution  $0.125^{\circ}\text{C}$   
DS1921Z-F5  $-5 +25^{\circ}\text{C}$ , resolution  $0.125^{\circ}\text{C}$

Accuracy: Temperature  $\pm 1^{\circ}\text{C}$   
Accuracy: Timing  $\pm 2$  minutes per month  
For ambient of  $0 +45^{\circ}\text{C}$   
Maximum error  $\pm 8$  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 computer.

Software: Free basic software can be down  
Loaded from the net.  
The full featured T-TEC Data logger  
Software is fully compatible with the  
Thermochron.  
Used with T-TEC software  
FDA 21CFR Part 11 compliant

Accessories: Different forms of holders (fobs)

## TEMPERATURE TECHNOLOGY

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