

iButton® DS1922L

-40°C to +85°C temperature logger



DESCRIPTION

If you work with frozen foods, perishable foods, vaccines, drugs or other sensitive products, you know that a few degrees' variation in temperature, or exposure to excessive moisture levels means the difference between having a quality product or face high costs with losses.

When you place a tiny Hygrochron® or ThermoChron® iButton® inside a package, inside a refrigerator, or in an industrial process you can track the evolution and the log history of the temperature and humidity.

Using ExpressThermo™ software you can easily analyse all the available information.

The iButton DS1922L is a robust and self-sufficient data logger that measures temperature. The stainless steel enclosure is extremely resistant to harsh environments, mechanical shocks, humidity, dust and dirt.

SPECIFICATIONS

Temperature range	-40° to +85°C
Memory Capacity	up to 8192 samples
Sample Rate	From 1 second to 273 hours
Temperature Resolution	0,5°C or 0,0625°C
Temperature Accuracy	Better then ±0,5°C (-10°C to +65°C)
Thermal Response Constant	130s for 60% temperature full scale
Battery	Lithium, internal, non-replaceable
Battery Life	Up to 8 years, depending on conditions of use 1)
Dimensions [mm]	17,35x5,89 (Ø x h)
Weight	3g
Clock Accuracy	±3 min/month @ +25°C
User Memory	512 Bytes

1) Battery characterization available in a separate document

APPLICATIONS

- HACCP systems
- Sterilization and pasteurization
- Process analysis
- Pharmaceutical industry
- Biological testing
- Thermal mapping

FEATURES AND BENEFITS

- Tiny size: potential for use virtually anywhere
- Highly resistant: stainless steel capsule
- Large memory: long-term logging
- Compliant with EN12830 and UL#913
- Optional ISO/IEC17025 calibration.
- Long lasting battery: no extra cost replacing batteries
- Intuitive software: user friendly and uncomplicated.
- Optional add-on modules: to tailor the software to specific applications

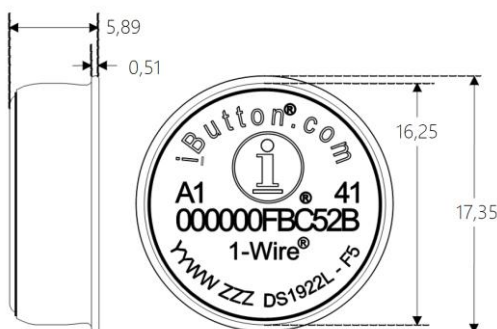


EXPRESSTHERMO SOFTWARE

ExpressThermo is a software to manage Hygrochron and ThermoChron loggers. The interface - very intuitive and easy to use - allows you to adjust the log parameters, download and analyse samples and manage all the information. There are optional add-on modules for specific applications such as validation of thermal treatments.

ACCESSORIES

- Protection capsules
- Mounting options



Dimensions in millimetres.

For more information about the iButton DS1922L, visit

www.eclo.solutions/DS1922L