

MINIATURE, SUBMERSIBLE, SELF-CONTAINED TEMPERATURE DATA LOGGER

Telatemp's Micro Submersible ML-MTS-B Temperature Data Logger is miniature in size measuring only 2.6" x 0.7" dia. (66 x 18mm). Designed to fit in the smallest spaces (including most beverage bottles), this industrial grade instrument retains an accuracy specification of $\pm 0.5^{\circ}\text{C}$ and can operate in temperatures from -40°C to $+80^{\circ}\text{C}$. The ML-MTS-B comes with a food grade stainless steel casing, making it inert to most common fluids and gasses. It has a memory capacity of 32,767 readings with software configurable memory wrap. Reading rates can be configured at 1 reading every 2 seconds to 1 every 12 hours. The logger can be set for an immediate start or delay start up to six months in advance. A non-volatile solid state memory keeps written data intact, even if the battery becomes discharged (battery included).

Relevant applications include; HACCP programs, food preparation and processing, environmental studies, well monitoring, dishwasher testing, biomedical research, medical and pharmaceutical.

With the Telatemp Micro Series Software*, starting, stopping and downloading from the Micro Submersible ML-MTS-B is simple and easy. Data can also be viewed in graphical, tabular, and summary form, displayed in $^{\circ}\text{C}$, $^{\circ}\text{F}$, K or $^{\circ}\text{Rankine}$. The software also supports pasteurization units (PU), Fo and MKT analyses. The data can be saved to your PC as an electronic file and exported to Excel® for further calculations.

Complete user manual can be viewed onscreen or printed out from the software.

*MLSP-USB-M Software & USB Interface is required.

FEATURES

- Only 2.6" x 0.7" in Size
- Reusable
- Submersible to 150 ft
- Programmable Start Time
- Real-time Operation
- N.I.S.T. Traceable
- User-friendly

BENEFITS

- Simple Setup and Installation
- Minimal Long-Term Maintenance
- Long-Term Field Deployment

SOFTWARE FEATURES

- Multiple graph overlay
- Statistics
- Zoom in / zoom out
- Lethality equations (PU, Fo)
- Mean Kinetic Temperature (MKT)
- Full time zone support
- Data annotation & data table view
- Min./ Max./ Average lines

TO ORDER

- ML-MTS-B Micro Submersible Data Logger
- MLSP-USB-M Software & USB Interface



WARRANTY: The following is made in lieu of all warranties, expressed or implied, including the implied warranties of merchantability and fitness of purpose: Seller's and manufacturers' only obligation shall be to replace such quantity of the product proved by Telatemp Corporation to be defective.

LIMITATION OF LIABILITY: All physical properties, statements, and recommendations are either based on tests we believe to be reliable or our experience, but they are not guaranteed. Telatemp Corporation recommends each user determine the suitability of the products for the intended application. Telatemp Corporation shall not be liable for direct, indirect, special, incidental or consequential damages based upon breach of warranty, breach of contract, negligence, strict liability or any other legal theory.

MICRO SUBMERSIBLE ML-MTS-B SPECIFICATIONS:

Temperature Sensor:	Internal Semiconductor
Temperature Range:	-40°C to +80°C
Temperature Resolution:	0.01°C (0.018°F)
Calibrated Accuracy:	±0.5°C (±0.9°F)
Alarm:	Programmable high and low limits; Alarm is activated when temperature reaches or exceeds set limits.
Activity Indicator:	Green LED blinks to indicate device has been started, red LED blinks if an alarm condition exists.
Calibration:	Digital calibration through software
Calibration Date:	Automatically recorded within device
Real Time Recording:	May be used with PC to monitor and record data in real time
Memory:	32,767 readings; software configurable memory wrap
Reading Rate:	1 reading every 2 seconds to 1 every 12 hours
Start Modes:	Software programmable immediate start or delay start up to six months in advance
Data Format:	Date and time stamped °C, °F, K, °R
Battery Type:	Replaceable 3.6V lithium battery included
Battery Life:	1 year typical at 25°C, 1 minute reading intervals
Time Accuracy:	± 1 minute/month at 20°C
Computer Interface:	PC serial or USB (interface cable required); 38,400 baud
Software:	XP SP3 / Vista / Windows 7
Operating Environment:	-40°C to +80°C, 0 to 100%RH
Submersible:	Up to 150 ft.
Dimensions:	2.6" X 0.7" dia. (66mm x 18mm dia.)
Weight:	1.8 oz (50 g)
Material:	316L Stainless Steel (food grade)
Approvals:	CE Compliant