

INTRINSICALLY SAFE SUBMERSIBLE DATA LOGGER FOR MEASURING TEMPERATURES IN HARSH ENVIRONMENTS

Telatemp's Micro Submersible ML-HTS-B-IS Temperature Data Logger is designed to record temperatures between -40°C to + 80°C (-40°F to +176°F) with 0.1°C resolution and $\pm 0.5^\circ\text{C}$ accuracy from 0°C to 50°C. This compact, portable data logger is housed in a stainless steel case and will record up to 32,767 date and time stamped temperature readings at user-defined intervals from 1 reading every 2 seconds to 1 every 12 hours. It utilizes a low power microprocessor to record data into a non-volatile memory and operates on a replaceable lithium battery (included). The ML-HTS-B-IS is Factory Mutual certified intrinsically safe for Class I, Division 2, groups A, B, C, and D hazardous environments.

Relevant applications include: EtO Sterilization, HACCP programs, food preparation and processing, environmental studies, well monitoring, dishwasher testing, hazardous and hostile environment monitoring, medical and pharmaceutical.

With the Telatemp Micro Series Software*, starting, stopping and downloading from the Micro Submersible ML-HTS-B-IS is simple and easy. Data can also be viewed in graphical, tabular, and summary form, displayed in °C, °F, K or °Rankine and saved to your PC as an electronic file. The data can also be exported to Excel® for further calculations.

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

*MLSP-USB Software & USB Interface is required.

FEATURES

- Intrinsically Safe
- Rugged
- Reusable
- Programmable start time
- Real-time operation
- N.I.S.T. traceable
- NEMA 4X, 6P
- CE compliant
- User-friendly

BENEFITS

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

SOFTWARE APPLICATIONS

- 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-HTS-B-IS Micro Submersible Intrinsically Safe Data Logger
- MLSP-USB 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 manufacturer's 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.

**Prices and specifications are subject to change without notice.*



MICRO SUBMERSIBLE ML-HTS-B-IS SPECIFICATIONS:

Temperature Sensor:	Semiconductor
Temperature Range:	-40°C to +80°C
Temperature Resolution:	0.1°C
Calibrated Accuracy:	±0.5°C (0 to +50°C)
Memory:	32,767 readings
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
Real Time Recording:	May be used with PC to monitor and record data in real-time. (PC interface is not IS rated)
Lethality Equations:	Sterilization Units and Pasteurization Units are available in software with the click of a button.
Calibration:	Digital calibration through software
Calibration Date:	Automatically recorded within device
Data Format:	Date and time stamped °C, °F, K, °R
Time Accuracy:	±1 minute/month at 20°C (RS232 port not in use)
Battery Type:	Replaceable 3.6V lithium battery included
Battery Life:	1 year typical at 25°C, 1 minute reading intervals
Computer Interface:	USB (Interface cable required); 2,400 baud
Software:	XP SP3 / Vista / Windows 7
Operating Environment :	-40°C to +80°C, 0 to 100%RH (case properly sealed)
Dimensions:	4.3+X 1.0+dia. (110mm x 26mm dia.)
Weight (Stainless) :	8 oz (230 g)
Enclosure:	303 Stainless Steel
Approvals:	CE

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