

## SUBMERSIBLE DATA LOGGER WITH 7" PROBE

Telatemp's Micro Submersible ML-HTS-B-P Temperature Data Logger with 7" probe allows for measuring temperatures with precision. The data logger body is rated for -40°C to +125°C with a probe resolution of 0.05°C and a probe range of -50°C to +400°C. The ML-HTS-B-P is submersible and can be used during washing or spraying. The food-grade 7" probe has a sharp point for easy insertion into a product. This durable data logger will record up to 32,767 date and time stamped temperature readings at user-defined intervals from 1 reading every 2 seconds to once every 12 hours. This instrument utilizes a low power microprocessor to record data into a non-volatile memory and operates on a replaceable lithium battery (included).

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

With the Telatemp Micro Series Software\*, starting, stopping and downloading from the Micro Submersible ML-HTS-B-P is simple and easy. Data can also be viewed in graphical, tabular, and summary form, displayed in °C, °F, K or °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 Software & USB Interface is required.

### FEATURES

- Submersible
- Rugged
- Reusable
- Programmable start time
- Real-time operation
- N.I.S.T. traceable
- User-friendly
- CE compliant

### 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-HTS-B-P Micro Submersible Data Logger w/ 7" Probe
- 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 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-HTS-B-P SPECIFICATIONS:

|                           |                                                                                                   |
|---------------------------|---------------------------------------------------------------------------------------------------|
| Temperature Sensor:       | 100Ω Platinum RTD                                                                                 |
| Temperature Range:        | -40°C to +125°C                                                                                   |
| Probe Range:              | -50°C to +400°C                                                                                   |
| Temperature Resolution:   | 0.05°C                                                                                            |
| Calibrated Accuracy:      | ±0.5°C                                                                                            |
| Specified Accuracy Range: | 100°C span between calibration points                                                             |
| 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                                       |
| Memory:                   | 32,767 readings                                                                                   |
| Reading Rate:             | 1 reading every 2 seconds to once every 12 hours                                                  |
| 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                                                              |
| Battery Type:             | Replaceable 3.6V lithium battery included                                                         |
| Battery Life:             | 1 year typical (1 minute reading rate at 25°C)                                                    |
| Data Format:              | Date and time stamped °C, °F, K, °R                                                               |
| Time Accuracy:            | ±1 minute/month at 20°C (RS232 cable not in use)                                                  |
| Computer Interface:       | PC serial or USB (Interface cable required); 2,400 baud                                           |
| Software:                 | XP SP3 / Vista / Windows 7                                                                        |
| Operating Environment:    | -40°C to +125°C, 0%RH to 100%RH, submersible to 150'                                              |
| Body Dimensions:          | 4.5" x 1.0" dia. (115mm x 26mm dia.)                                                              |
| Probe Dimensions:         | 6.75" x 3/16" dia. (172mm x 5 mm dia.)                                                            |
| Enclosure:                | 303 stainless steel                                                                               |
| Probe:                    | 304 stainless steel                                                                               |
| Weight:                   | 7.3 oz (205g)                                                                                     |
| Approvals:                | CE                                                                                                |