SUBMERSIBLE HI-TEMP DATA LOGGER WITH RIDGED 1" PROBE FOR MEASURING TEMPERATURES IN RUGGED ENVIRONMENTS

Telatemp's Micro Submersible ML-HTS-C Temperature Data Logger is submersible up to 150' (45m) of water and is designed to record temperatures between -40C to +150°C with 0.05°C resolution and ±0.5°C accuracy. This compact, portable 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. A low power microprocessor records to a non-volatile memory that keeps written data intact, even if the battery becomes discharged (battery included).

Relevant applications include: HACCP programs, autoclave verification, food preparation and processing, environmental studies, well monitoring, dishwasher testing, medical and pharmaceutical.

With the Telatemp Micro Series Software*, starting, stopping and downloading from the Micro Submersible ML-HTS-C 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
- Extended temperature range
- Rugged
- Submersible
- 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 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-C Micro Submersible 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 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-C SPECIFICATIONS:

Temperature Sensor:	100Ω Platinum RTD
Temperature Range:	-40 to +150ºC
Temperature Resolution:	0.05ºC
Calibrated Accuracy:	±0.5ºC
Specified Accuracy Range:	100ºC 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 1 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
Battery Life:	1 year typical (1 minute reading rate at 25ºC)
Data Format:	Date and time stamped ºC, ºF, K, ºR
Time Accuracy:	±1 minute/month at 20ºC (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 to +125ºC, 0%RH to 100%RH, submersible to 150'
Body Dimensions:	4.8" x 1.0" dia. (122mm x 26mm dia.)
Probe Dimensions:	1.0" x 3/16" dia. (26mm x 5 mm dia.)
Enclosure:	303 stainless steel
Weight:	8 oz (225 g)
Approvals:	CE