

## EXTENDED RANGE SUBMERSIBLE TEMPERATURE DATA LOGGER WITH 2" PROBE

Telatemp's Micro Extended Range ML-ERT-C-P Submersible Temperature Data Logger with 2" rigid external probe can be used to record temperatures from -200°C to 260°C and is rated for operating environments of -40°C to 150°C. With a temperature resolution of 0.05°C and an accuracy of  $\pm 0.5^\circ\text{C}$ , this instrument retains a capacity of 32,767 date and time stamped data points. Reading rates can be configured at 1 per second to once every 12 hours. The logger can be set for an immediate start or delayed start up to six months in advance. Its non-volatile solid state memory 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, pharmaceutical and hostile environment monitoring.

With the Telatemp Micro Series Software\*, starting, stopping and downloading from the Micro Extended Range ML-ERT-C-P 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
- Reusable
- Submersible
- 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 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-ERT-C-P Micro Extended Range 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 EXTENDED RANGE ML-ERT-C-P SPECIFICATIONS:**

Temperature Sensor:	100Ω Platinum RTD
Probe Measurement Range:	-200°C to +260°C
Temperature Resolution:	0.05°C
Calibrated Accuracy:	±0.5°C
Start Modes:	Software programmable immediate start or delay 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 per second up to 1 every 12 hours
Battery Type:	3.6V high-temperature lithium battery included
Battery Life*:	1 year typical (1 minute reading rate @ 25°C) *The device must be sent back to Telatemp for battery replacement
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 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 +150°C, 0 to 100%RH
Dimensions (Body):	1.1" x 1.75" dia. (28 x 45mm dia.)
Dimensions (Probe):	2.0" x 3/16" dia. (50 x 5mm dia.) *Other probes available
Weight:	8 oz (225 g)
Material:	316 Stainless Steel
Approvals:	CE