EXTENDED RANGE TEMPERATURE DATA LOGGER WITH 4" PENETRATION PROBE

Telatemp's Micro Extended Range ML-ERT-C-FP Temperature Data Logger and 4" stainless steel probe allows for measuring temperatures in harsh environments. This data logger is rated for environments -40°C to +150°C (probe range -40°C to +260°C) and has a temperature resolution of 0.05°C and an accuracy of ±0.5°C (over 100°C span). This durable data logger has a reading capacity of 32,767 date and time stamped data points. 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 for activation at a future date and time, allowing for simultaneous data recording via the deployment of multiple loggers. Its non-volatile solid state memory keeps written data intact, even if the battery becomes discharged (battery included).

The ML-ERT-C-FP comes standard with a 24" flexible Teflon enclosed cable, 4" penetration style stainless steel probe, and 316 stainless steel body (other cable and probe lengths available through special order).

With the Telatemp Micro Series Software*, starting, stopping and downloading from the Micro Extended Range ML-ERT-C-FP 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
- Flexible probe
- Teflon enclosed cable
- Rugged
- Reusable
- Programmable start time
- Real-operation
- N.I.S.T. traceable
- Easy-to-use software

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-FP 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 EXTENDED RANGE ML-ERT-C-FP SPECIFICATIONS:

Temperature Sensor:	100Ω Platinum RTD
Probe Measurement Range:	-40°C to +260ºC
Temperature Resolution:	0.05ºC
Calibrated Accuracy:	±0.5ºC (Over 100ºC span)
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:	One second up to once every 12 hours
Lethality Equations:	Sterilization unit and Pasteurization units are available in the software with a click of a button
Calibration:	Digital calibration through software
Calibration Date:	Automatically recorded within device
Battery Type:	3.6V high-temperature lithium battery included
Battery Life*:	1 year typical (1 min. reading rate @ 25ºC) *The device must be sent back to Telatemp for battery replacement.
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°C to +150ºC, 0 to 95% RH non-condensing
Dimensions (Body):	1.1" x 1.75" dia. (28mm x 45mm dia.)
Dimensions (Cable*):	2.0' x .14" dia. (610mm x 4mm dia.)
Dimensions (Probe Handle):	1½" x 3/8" dia. (39mm x 10 mm dia.)
Dimensions (Probe):	4" x 1/8" dia. (102mm x 4mm dia.)
	(Other Probe lengths available upon request)
Material (Body & Probe):	316 Stainless Steel
Material (Cable):	Teflon cable
Weight:	9 oz (255 g)
Approvals:	CE