SMALL, RUGGED LOGGER CAPTURES TEMPERATURE AND HUMIDITY DATA AT USER-SELECTED INTERVALS FROM 1 SECOND TO 24 HOURS

Telatemp's ML-HA Temperature/Humidity Data Logger is designed to monitor temperatures from -40°F to +176°F (-40°C to +80°C) with 0.01°C resolution and humidity from 0 to 95%RH with 0.1%RH resolution. This small, reusable data logger will record up to 1,000,000+ date and time stamped temperature/humidity readings at user-defined intervals from 1 second to 24 hours. It utilizes a low power microprocessor to record data into a non-volatile memory and operates on a replaceable lithium battery (included).

Features include: a multiple start/stop function, ultra-high speed download capability, optional memory wrap, precision RTD sensing element, battery life indicator, optional password protection, programmable high-low humidity alarms and more.

With the Telatemp Micro Series Software*, starting, stopping and downloading from the Micro Humidity is simple and easy. Data can also be viewed in graphical, tabular, and summary form, displayed in °C, °F, K or °Rankine, %RH, mg/ml water vapor concentration and dew point, 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
- 1 year plus Battery Life
- 1 Second Reading Rate
- Multiple Start/Stop Function
- Ultra High Speed Download
- 1,000,000+ Reading Storage Capacity
- Memory Wrap
- Precision RTD Sensing Element
- Battery Life Indicator
- Optional Password Protection
- Programmable High and Low Alarms
- N.I.S.T. Traceable

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

APPLICATIONS
- Implement HACCP Programs
- HVAC
- Warehouse Monitoring
- Museum Monitoring
- Medical/Pharmaceutical
- General Purpose Humidity Recording

TO ORDER
- ML-HA Micro Humidity Logging Thermometer
- 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.

Prices and specifications are subject to change without notice.

CALL TOLL FREE HOTLINE 1-800-321-5160   www.telatemp.com
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MICRO HUMIDITY ML-HA LOGGING THERMOMETER SPECIFICATIONS:

Temperature Sensor:	Precision RTD Element
Temperature Range:	-40°F to +176°F (-40°C to +80°C)
Temperature Resolution:	0.01°C (0.018°F)
Calibrated Accuracy:	±0.5°C (0°C to 50°C)
	±1.0°C (-20°C to 0°C and 50°C to 60°C)
	±1.3°C (<-20°C and >60°C)
Humidity Sensor:	Internal Semiconductor
Humidity Range:	0 to 95%RH
Humidity Resolution:	0.1%RH
Calibrated Accuracy:	±3.0%RH (±2%RH typical at 25ºC/77ºF)
Specified Accuracy Range:	+10ºC to +40ºC (50ºF to 104ºF); 10%RH to 80%RH
Reading Rate:	1 reading every second to 1 reading every 24 hours
Memory:	1,000,000+ readings; software configurable memory wrap, 500,000+ readings in multiple start/stop mode
Wrap Around:	Yes
Start Modes:	˝ Immediate start
	˝ Delay start up to 18 months
	˝ Multiple pushbutton start/stop
Multiple Start/Stop Mode:	Start and stop the device multiple times without having to download data or communicate with a PC
Multiple Start/Stop Mode Activation:	To start the device:
	Press and hold the pushbutton for 5 seconds, the green LED will flash during this time. The device has started logging.
	To stop the device:
	Press and hold the pushbutton for 5 seconds, the red LED will flash during this time. The device has stopped logging.
Real Time Recording:	The device may be used with PC to monitor and record data in real-time
LED Functionality:	Green LED blinks:
	10 second rate to indicate logging
	15 second rate to indicate delay start mode
	Red LED blinks:
	10 second rate to indicate low battery and/or full memory
	1 second rate to indicate an alarm condition
Password Protection:	An optional password may be programmed into the device to restrict access to configuration options. Data may be read out without the password.
Alarm:	Programmable high and low limits; alarm is activated when humidity reaches or exceeds set limits
Calibration:	Digital calibration through software
Calibration Date:	Automatically recorded within device
Battery Type:	Replaceable lithium 3.6V
Battery Life:	1 plus years typical at a 15 minute reading rate
Data Format:	Date and time stamped °C, °F, K, °R; %RH, mg/ml water vapor concentration, dew point
Time Accuracy:	±1 minute/month (at 20ºC/68ºF, stand alone data logging)
Computer Interface:	U S B (interface cable required); 115,200 baud
Software:	XP SP3 / Vista / Windows 7
Operating Environment:	-40ºC to +80ºC(-40°F to +176°F),
	0%RH to 95%RH non-condensing
Dimensions:	1.4" x 2.2" x 0.6+(36mm x 56mm x 16mm)
Weight:	0.9 oz (24 g
Materials:	ABS Plastic
Approval:	CE

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