

INTRINSICALLY SAFE HUMIDITY & TEMPERATURE DATA LOGGER IN ALUMINUM CASE

Telatemp's Micro ML-HIS-B-AL Humidity** / Temperature Data Logger is designed to measure and record temperatures from -40°C to +80°C (-40°F to +176°F) with 0.1°C resolution and humidity range from 0 to 100%RH with 0.5%RH resolution. This rugged, battery powered, stand alone device will record up to 21,845 date and time stamped humidity and temperature readings at user-defined intervals from 1 reading every 2 seconds to 1 every 12 hours. The ML-HIS-B-SS is enclosed in a stainless steel casing and is Factory Mutual certified as intrinsically safe for Class 1, Division 1, groups A, B, C, and D and non-incendive for Class 1, Division 2 groups A, B, C, and D hazardous environments. This certification makes this data logger ideal for EtO sterilization, environmental studies and numerous other hostile environment applications. The non-volatile solid state memory provides for maximum data security even if the battery becomes discharged.

With the Telatemp Micro Series Software*, starting, stopping and downloading from the Micro Humidity ML-HIS-B-AL Data Logger 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 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. **Not water resistant in humidity mode. For humidity readings, unscrew the bottom cap enough to expose the humidity sensor to the air. Do not allow water or other liquids to come in contact with the sensor compartment.

FEATURES

- Intrinsically safe
- Rugged
- Reusable
- Programmable start time
- Real-time operation
- Automatic dew point & vapor concentration calculations
- N.I.S.T. traceable
- User-friendly
- CE compliant

APPLICATIONS

- EtO Sterilization
- Implement HACCP programs
- Food preparation and processing
- Environmental studies
- Warehouse monitoring
- Hazardous and hostile environment monitoring
- Medical and Pharmaceutical

SOFTWARE APPLICATIONS

- Multiple Graphs
- Graphical Cursor
- Data Table
- Scaling & Formatting Options
- Statistics
- Export Data
- Calibration
- Logger Configuration
- Communications

TO ORDER

- ML-HIS-B-AL Intrinsically Safe Micro Humidity/ Temperature 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 manufacturer's 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

**Prices and specifications are subject to change without notice.*





Micro Humidity ML-HIS-B-AL Data Logger

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 HUMIDITY / TEMPERATURE ML-HIS-B-AL DATA LOGGER SPECIFICATIONS:

Temperature Sensor:	Semiconductor
Temperature Range:	-40 to +80°C
Temperature Resolution:	0.1°C
Calibrated Accuracy:	±0.5°C (0 to +50°C)
Humidity Sensor:	Semiconductor
Humidity Range:	0 to 100%RH
Humidity Resolution:	0.5%RH
Calibrated Accuracy:	±3%RH (±2%RH typical at 25°C)
Specified Accuracy Range:	+10 to +40°C, 10 to 80%RH
Response Time:	90% change in 60 seconds in slow moving air (end cap fully open)
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 (PC interface not IS rated)
Memory:	21,845 readings per channel; 43,690 total readings
Reading Rate:	1 reading every 2 seconds to 1 every 12 hours
Calibration:	Digital calibration through software
Calibration Date:	Automatically recorded within device
Battery Type:	Replaceable 3.6V lithium battery included
Battery Life:	1 year typical at 25°C, 1 minute reading intervals
Data Format:	Date and time stamped °C, °F, K, °R ; %RH, mg/ml water vapor concentration
Time Accuracy:	±1 minute/month at 20°C (RS232 port not in use)
Computer Interface:	PC serial or USB (interface cable required); 2400 baud
Software:	XP SP3 / Vista / Windows 7
Operating Environment:	-40 to +80°C, 0 to 100%RH (case properly sealed) 1 PSIA to 60 PSIA
Dimensions:	5.4+x 1.0+dia. (138mm x 26mm dia.)
Weight (Stainless) :	10 oz (285 g) aluminum case
Approvals:	CE, IS Rated

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