

USB DATA LOGGER FOR TEMPERATURE AND RH

HM9000

DATASHEET

PRODUCT DESCRIPTION

USB data logger for temperature and relative humidity. The USB data logger has a memory for 32.000 readings (16000 temperature- and 16000 humidity readings), a dew point indication, and a user-selectable alarm. Supplied with analysis software.

**APPLICATION**

Air conditioning, coating industry, construction/building maintenance, food, hospital, real estate, wholesale, wood

FEATURES

- memory for 32.000 readings (16000 temperature- and 16000 humidity readings)
- dew point indication
- status indication
- multi-mode to start logging
- selectable measuring interval (2, 5, 10 or 30 seconds; 1, 5, 10 or 30 minutes; 1, 2, 3, 6, 12 or 24 hours)
- user-selectable alarm
- USB interface
- analysis software
- long battery life

SPECIFICATIONS

Relative Humidity	Range	0-100%
	Accuracy (0 to 20% and 80 to 100%)	+/- 5.0%
	Accuracy (20 to 40% and 60 to 80%)	+/- 3.5%
	Accuracy (40 to 60%)	+/- 3.0%
Temperature	Range	-40°C to 70 °C
	Accuracy (-40°C to -10°C and +40°C to +70°C)	+/- 2 °C
	Accuracy (-10°C to +40°C)	+/- 1°C
	Accuracy (-40°F to +14°F and 104°F to 158°F)	+/- 3.6°F
	Accuracy (+14°F to 104°F)	+/-1.8°F
Dew Point	Range	-40°C to 70°C (-40°F to

temperature		158°F)
	Accuracy (25°C, 40% to 100% Relative Humidity)	+/- 2.0°C (+/- 4.0°F)
Logging rate	Selectable sampling interval: 2, 5, 10 or 30 seconds; 1, 5, 10 or 30 minutes; 1, 2, 3, 6, 12 or 24 hour	
Operating temperature	-35°C to 80°C (-31°F to 176°F)	
Battery type	3.6V Lithium (1/2AA) (SAFT LS14250, Tadiran TL-5101 or equivalent)	
Battery life	1 year(typ.) depending on logging rate, ambient temperature & use of Alarm LED's	
Dimensions, weight	101x25x23mm (4x1x0.9") / 172gr. (6oz)	

USE

Colored LED's indicate the status of the data logger. The logged data can be downloaded by plugging the data logger into the USB port of the computer, and analyzed with the supplied software. More information can be found in the manual.

SAFETY PRECAUTIONS

- Before replacing the battery, remove the data logger from the PC
- Leaving the model plugged into the USB port for longer than necessary will cause some of the battery capacity to be lost.
- Handle lithium batteries carefully, observe warnings on battery casing. Dispose of in accordance with local regulations.
- Regularly clean the sensor as described in the manual. If permanent damage to the internal sensor is suspected, replace the logger immediately to insure accurate readings.

DISCLAIMER

The right of technical modifications is reserved.

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