

MR6000 SERIES TEMPERATURE/HUMIDITY CARD LOGGER



MODEL MR6661 (Card Logger)
MR9201 (Sensor)
MR9281 - 0□0 (Cable)

***Small size and light weight !!!
For easy logging of temperature
and humidity***

The MR6000 series small size and light weight card loggers are for simultaneous logging of temperature and humidity and are capable to store up to 3000 data of temperature and humidity. A large screen enables to display the data being stored at site. A software for data management is separately offered with a data readout unit. For humidity measurement, an interchangeable element of capacitance type high polymer film is used.

The card logger conforms to CE-marking.

■ FEATURES

- Simultaneous measurement and logging of temperature and humidity
- Up to 3000 data storage of temperature and humidity
- Programmable measurement interval from 1 to 60 minutes (At the measurement interval of 60 minutes, data are stored up to about 4 months.)
- A large screen for displaying data being stored
- A software for data management (being sold separately)
- High resolution
0.1°C (temperature), 1%RH (humidity)
- Interchangeable element for humidity measurement (high polymer film)
- 1 year battery life
- Small size, light weight and easy-to-use



■ APPLICATIONS

- Temperature and humidity control at computer rooms, plants of electronic equipment
- Temperature and humidity control in museums
- Freshness control of vegetables, flowers, etc.
- Temperature and humidity control in constant temperature warehouses and containers
- Environmental control of electronic and communication equipment
- Measurement of temperature and humidity in green houses
- Measurement by personal computers and teaching materials in schools

■ SPECIFICATIONS

Measuring range: -40 to 60°C (temperature), 0 to 100%RH (No dew condensation)

Accuracy rating:

Temperature: $\pm 0.5^{\circ}\text{C}$ (at -5 to 50°C , $\pm 1^{\circ}\text{C}$ at lower than -5°C or higher than 50°C)

Humidity: $\pm 3\%\text{RH}$ (at $25 \pm 5^{\circ}\text{C}$, 0 to 90%RH)

Communications function: Enabled (through a data readout unit)

Sensor (connected externally):

Temperature: Thermistor

Humidity: Capacitance type high polymer film

Note: The sensor is being sold separately.

Display:

Current data: Month, day, hour, minute, temperature ($^{\circ}\text{C}$), humidity (%RH)

Data readout: Data being stored per month, day, hour, minute

Maximum / minimum / average temperature and humidity

Programmable parameters:

Clock, Year, month, day, hour, minute (corresponding to leap year)

Start time: Month, day, hour, minute

Measurement interval: 1 to 60 minutes (programmable in 1-minute intervals)

High and low alarm values

Alarm: ALARM appears on alarm status.

Number of data stored:

3000 data (Data storage for 4 months at the measurement interval of 60 minutes)

Working environment:

Card Logger: -20 to 50°C

Temperature/humidity sensor:

-30 to 60°C (no condensation)

Temperature measurement only: -40 to 60°C

Battery: AAA (UM-4), 2 pieces

Battery life: About 1 year (at 25°C , 10-minute interval)

Outside dimensions:

Card Logger: 54 (W) x 105 (H) x 14 (D) mm

Sensor: 18 (W) x 53 (H) x 11 (D) mm

Structure: Sensor ...Open type

Weight: 120g (Card Logger about 60g)

CE-marking:

■ DATA READOUT UNIT

(WITH ANALYSIS SOFTWARE)

Model: MR9503

Computer: IBM PC or compatibles (DOS/V)

Connector: D-Sub 9 pins with 1.5m cable

Software: Windows 95

Communications:

Non-contact infrared type (Card Logger and data readout unit)

RS-232C (Data readout unit and computer)

Weight: About 400g

Note: The data readout unit is separately sold.

■ ANALYSIS SOFTWARE

Parameters: Clock, start time, measurement interval, reserved end time, high/low alarm values, integrated reference temperature/humidity, integrated direction (H or L), card No., Test No.

Readout: Programming parameters, logging data, file stored

Math function: Maximum/minimum/average temperature and humidity, high/low alarms

Display: Data of temperature and humidity per year, month, day and minute, trend graph, high/low alarms (alarm marks on data), etc.

Data storage: Storing in a file or text file

Printout: Data and trend graph

OS: Windows 95

■ CABLES

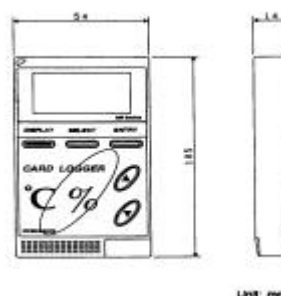
Models: MR9281 -010 (1m)

MR9281 -030 (3m)

MR9281 -050 (5m)

Note: The cables are separately sold.

■ OUTSIDE DIMENSIONS



Specifications subject to change without notice. Original 2000.5

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