

Data Logger

ML27



- 1 Channel Humidity
- 1 Channel Temperature
- Memory 64 Kbyte (Up to 256 Kbyte)
- Data exportable to MS Excel

Data Logger ML27 This is a compact data-logging device featuring built-in humidity and temperature sensors. It continuously records data-along with corresponding timestamps-to its internal memory. It is ideal for installation in locations where humidity and/or temperature monitoring is required, such as cold storage rooms, ovens, and delivery vehicles.

Data stored in the ML27 can be retrieved by connecting a computer to the unit via an RS232 port or a modem, using dedicated software to transfer the data. The retrieved data can be displayed on the computer in either numerical or graphical formats. Furthermore, the data is compatible with other Windows-based applications-such as MS Excel-facilitating further calculations or report generation.

Specifications

Serial Interface

Serial Standard: RS-232 Connector RJ12

Distance: RS-232 Length 15 m.

Serial Parameter

Baud Rate: 19200

Data Bits: 8

Stop Bits: 1

Parity: None

Input

Number of Channel: 2 Channels

Input Type: Humidity & Temperature
(Sensor SHT15)

Input Range:

Humidity (0 to 100 %RH)

Accuracy: ± 2 % at 10 to 90 %RH

Temperature ((-)40 to 80 °C)

Accuracy: ± 1 %

ADC Resolution: 12 Bits

Recording

Storage Internal: 64 Kbytes (256 Kbytes
Optional)

Recording Interval: 1 Sec to 18 Hours
(Programmable)

Record Mode: Stop when full and Roll over

Recording by: Button SW

Data Format: Can be exported to MS Excel

Data Capacity: 16,380 Records that
64 Kbytes (2 Channels)

Power Requirements

Power Supply: Battery 6.2 VDC @1 AH
(Sanyo CR123A Lithium)

Power Consumption

Standby: 30 μ A @ 6 VDC

Start Record: 500 μ A @ 6 VDC

Environmental Limits

Operating Temperature: 0 to 55 °C

Operating Humidity: 5 to 95% RH

Storage Temperature: 0 to 70 °C

Physical Characteristics

Dimension: W81 x H61 x D26 mm.

Warranty

Warranty Period: 1 Year

Ordering Information: Specify Memory

Example ML27/64Kbytes

Package Checklist

1. ML27
2. RS-232 Cable

