

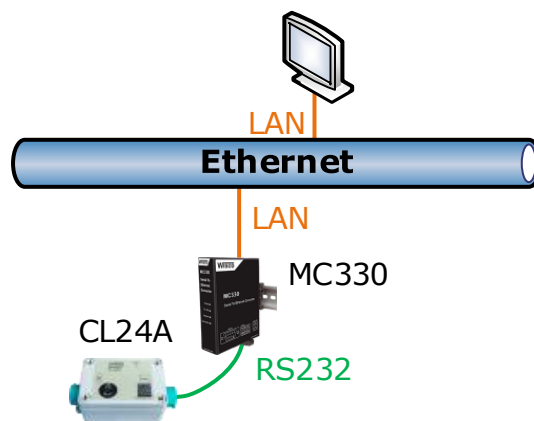
Data Logger CL24A



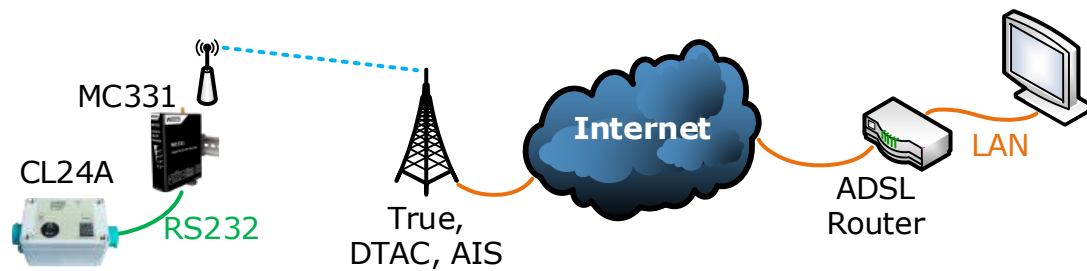
- 1 Channel Analog Input (4 - 20 mA, 0 - 10 VDC)
- 2 Channels Totalizer
- Memory 256
- Data exportable to MS Excel

Data Logger CL24A This device records small-scale measurement data—specifically analog signals and counter (totalizer) values—continuously within its internal memory, with each entry timestamped. Configurable analog input ranges include 4 - 20 mA, 1 - 5 VDC, 0 - 5 VDC, and 0 - 10 VDC, while the totalizer counts incoming pulses and stores the accumulated totals in memory.

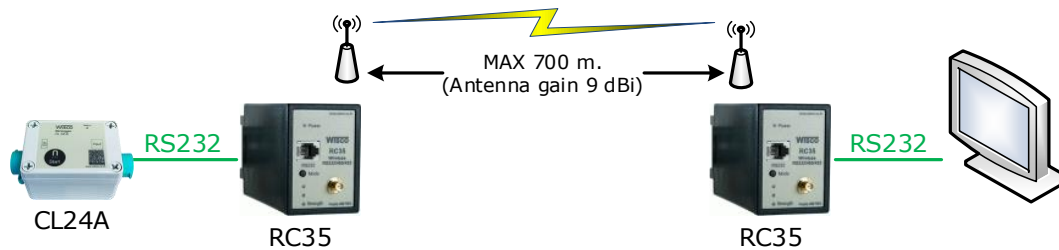
Data recorded in the CL24A can be retrieved by connecting a computer to the unit via an RS232 port or a modem, using dedicated software to transfer the data. The retrieved data can be displayed on the computer in either numerical or graphical formats. Furthermore, the data is compatible with other Windows-based applications—such as MS Excel—facilitating further calculations and report generation.



Connection to a computer via the Ethernet (MC330).



Connection to a computer via the Internet (MC331).



Connection to a computer via the Wireless (RC35).

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

Analog Input

Number of Channel: 1 Channel

Input Type: Current, Voltage

Input Range:

Current (4 to 20 mA)

Voltage (0 to 5, 1 to 5, 0 to 10 VDC Optional)

ADC Resolution: 10 Bits

Accuracy: ± 0.2 % of span

Totalizer Input

Number of Channel: 2 Channels

Sensor Type: NPN Open-Collector or Dry Contact

I/O Mode: Even Counter

Dry Contact:

ON : Short to GND

OFF : Open

Counter Frequency: 20 Hz

Minimum Pulse Width: 50 msec

Recording

Storage Internal: 256 Kbyte

Recording Interval: 1 sec - 18 Hours (Programmable)

Record Mode: Stop When Full and Roll Over

Recording by: Magnetic Starter, DI Trig

Data Format: Can be Exported to MS Excel

Data Capacity: 131,040 Records (3 Channels)

Power Requirements

Power Supply: Lithium Battery
7.2 VDC @ 2.4 AH (2 Year Life Time @ 15 Min. Interval Time)

Power Consumption

Standby: 30 μ A @ 7 VDC

Start Record: 500 μ A @ 7 VDC

Environmental Limits

Operating Temperature: 0 to 55 °C

Operating Humidity: 5 to 95% RH

Storage Temperature: 0 to 70 °C

Physical Characteristics

Dimension: W95 x H65 x D55 mm.

Protection: IP65

Warranty

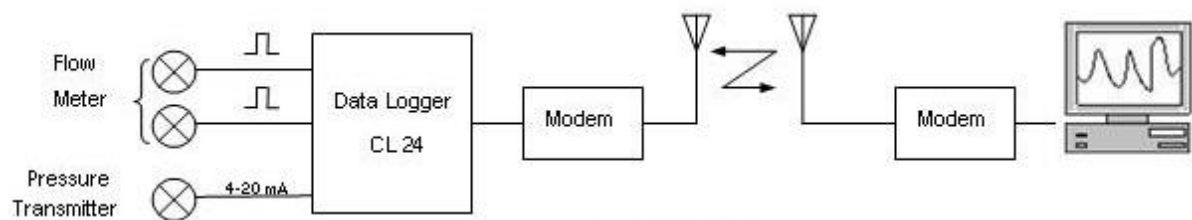
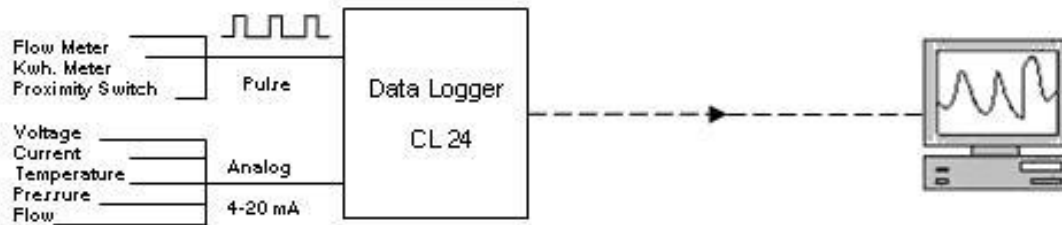
Warranty Period: 5 Year

Ordering Information: Specify Input Rang

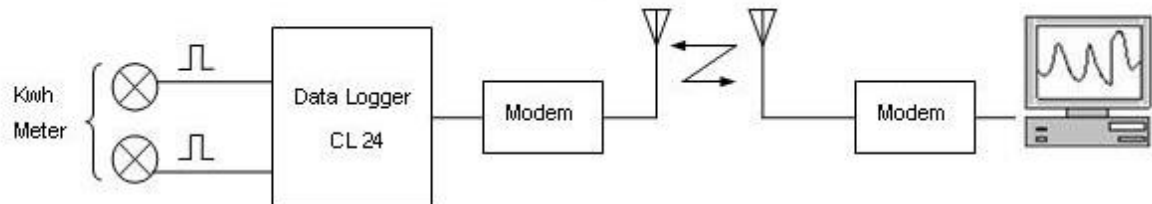
Example CL24A/4-20mA

Package Checklist

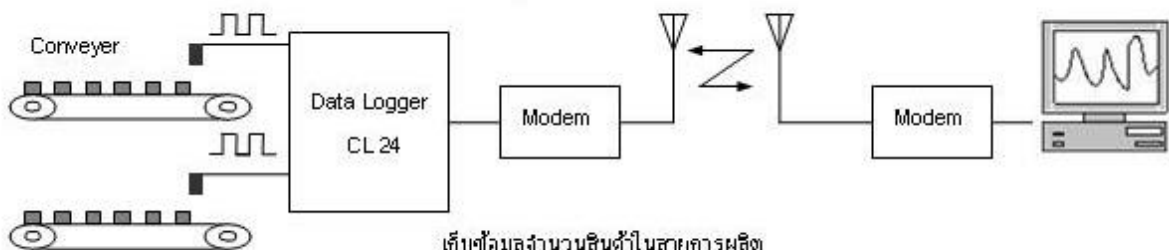
1. CL24A 2. RS-232 Cable 3. Input Cable



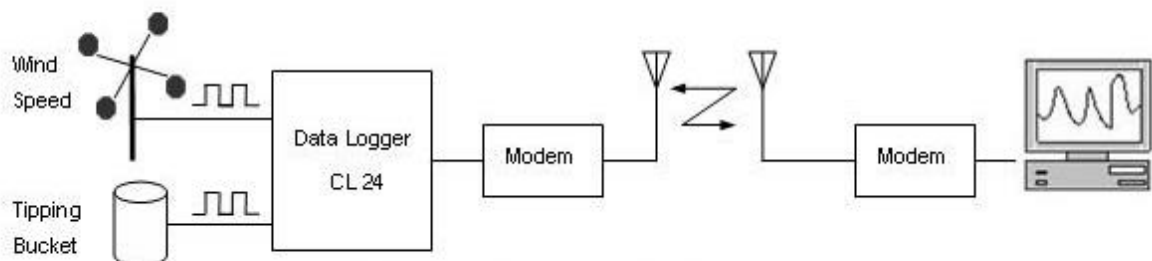
ตัวอย่างใช้เก็บข้อมูลระบบประปา



เก็บข้อมูลปริมาณการใช้ไฟฟ้า



เก็บข้อมูลจำนวนสินค้าในสายการผลิต



เก็บข้อมูลปริมาณน้ำฝนและความเร็วลมในงานอุตุนิยมวิทยา