

# Data Logger

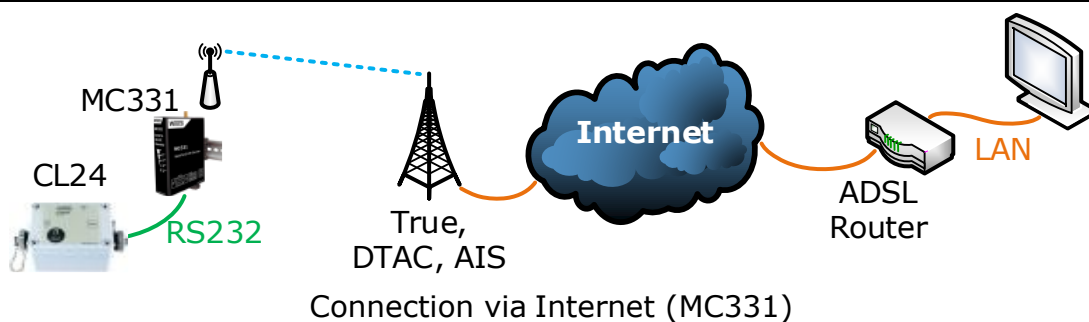
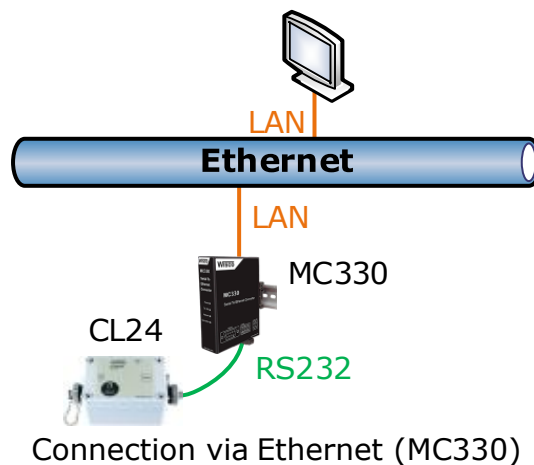
## CL24

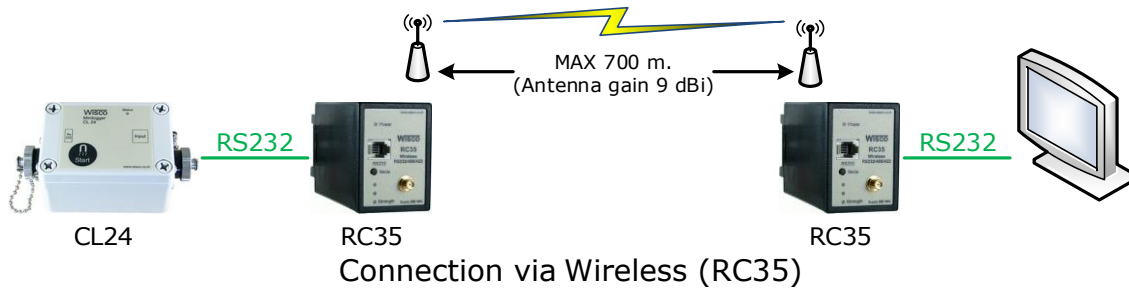


- 1 Channel Analog Input (4 - 20 mA, 0 - 10 VDC)
- 2 Channels Totalizer
- Memory 256
- Data exportable to MS Excel

**Data Logger CL24** is an instrument for recording values of three signal channels: one analog signal and two digital signals (as counters). It's very small size makes it highly portable and with battery installed inside.

The Data Logger has its own software, which must be used in order to set its configuration, to record, to transfer data from CL24 to keep in a computer and to show data in the forms of tables and graphs. Moreover, the user can use this software to change file to CSV file which can be opened by Microsoft Excel





## 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:**  $\pm 0.2$  % 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

**Ordering Information:** Specify Input Rang

Example      CL24/4-20mA

### Package Checklist

1. CL24
2. RS-232 Cable
3. Input Cable

### 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  $\mu$ A @ 7 VDC

**Start Record:** 500  $\mu$ A @ 7 VDC

### Environmental Limits

**Operating Temperature:** 0 to 55 °C

**Operating Humidity:** 5 to 95% RH

**Storage Temperature:** 0 to 70 °C

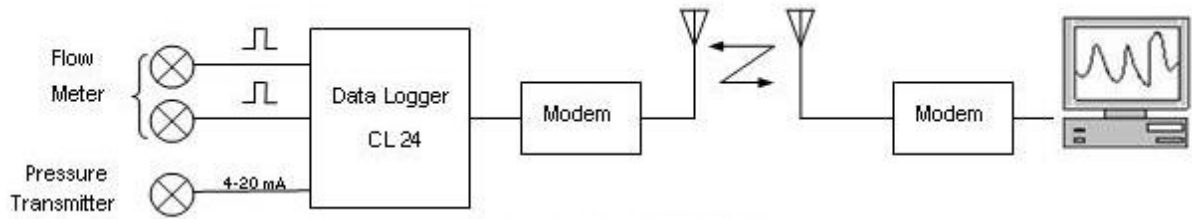
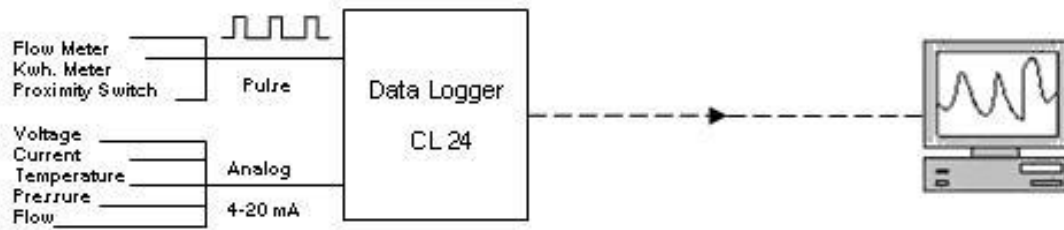
### Physical Characteristics

**Dimension:** W95 x H65 x D55 mm.

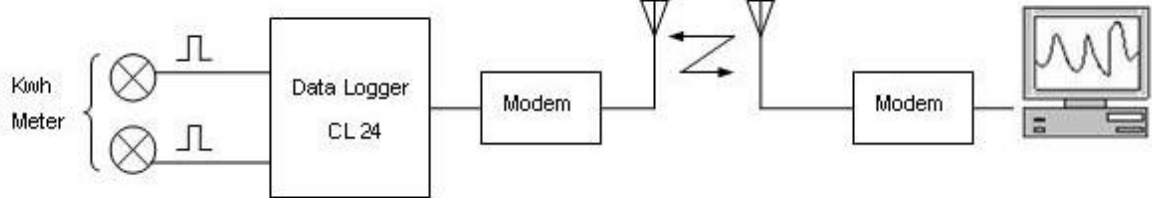
**Protection:** IP65

### Warranty

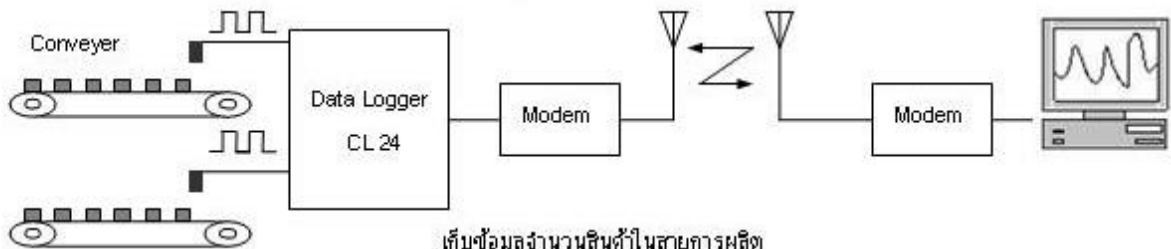
**Warranty Period:** 5 Year



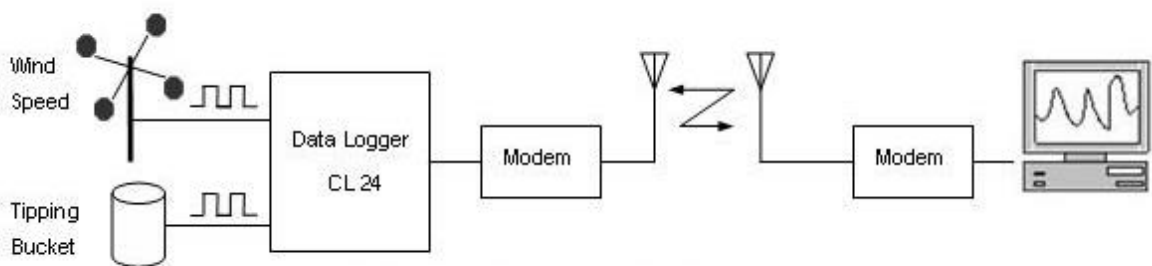
ตัวอย่างใช้เก็บข้อมูลระบบประปา



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