



# Model **CV-Log-35**

## MULTI-CHANNEL DATA LOGGER

### PRODUCT FEATURES

- Up to 6x data acquisition channels
- Data communication via 4G and 2G
- Local configuration through Wi-Fi from PC, Tablet or Smartphone
- Interface to CLA-VAL Link2Valves™ for data visualization and remote configuration
- Standard 5-year\* autonomy and 10-year\* external high-capacity battery option

### MAIN FUNCTION

Cla-Val CV-Log-35 is an ultra-low power advanced data logger with 6x acquisition channels (4 analog inputs and 2 digital inputs). Acquired data is stored in a large internal memory and can optionally be sent to a remote server of your choice, through the new generation 4G communication network, optimized for data communication (IoT). Alternatively, the product can be connected to the Cla-Val **Link2Valves™** platform for an easy and complete integration.

The CV-Log-35 implements powerful processors, embedding advanced intelligence, such as Cla-Val use of proprietary algorithm program to calculate a flow measurement based on inlet/outlet pressures and valve position.

The CV-Log-35 is an easy-to-use product, allowing quick and easy installation, thanks to a compact and ergonomic design, and longtime Cla-Val field proofed experience. No need for cables or special software installation to access the product; the CV-Log-35 is easily configured via a wireless interface from your smartphone, tablet, or computer.

Cla-Val CV-Log-35 embeds a standard lithium battery, providing a long usage time. The product battery life can even be extended with the optional external high-capacity battery option.

**CLA-VAL** Company

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S-CV-Log-35 (R-05/2024)



### SPECIFICATIONS

#### Power Supply:

- Internal lithium battery (accessible)
- Option: high-capacity lithium external battery
- Option: external power supply (6-30 VDC)

#### Inputs:

- 4x analog (Ratiometric, 0-5 V / 0-10 V)
- 2x digital (dry contact or pulse)

#### Logger & Data Storage:

- Configurable logging interval
- Memory: 16 MB Flash + 8 GB Micro-SD
- Interface to Link2Valves™ for remote data access and configuration (optional)
- Communication to custom server

#### User Interface:

- Wi-Fi 802.11n/ac for local configuration
- Interface to CLA-VAL Link2Valves™ for remote configuration

#### Data Communication:

- 4G (LTE-M1, NB-IoT) and 2G (GPRS)
- Micro SIM card (accessible)
- Extendable antenna with flexible cable

#### Embedded Intelligence:

- Flow Totalizer
- Cla-Val Valve Flow Measurement (Requires Inlet/Outlet Pressure and Valve Position Sensor)

#### Housing & General:

- Dimensions: Ø 5.2in x L 5.1 in (Ø 132 mm x L 130 mm) no antenna, no bracket
- Easy opening system without screws or tools
- Material: PC / ABS plastic UV resistant
- Protection: IP68 (2 m, 1 month)
- Operating Temperature: 14°F to 158°F (-10°C to 70°C)
- Storage Temperature: 4°F to 176°F (-20°C to 80°C)