

► Compact Multi-Channel Data Logger



CLA-VAL CV-Log-35 is an ultra-low power advanced data logger with to 6 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 DP Metering™** flow calculation 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-proven 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. Alternatively, the logger can be powered via an external power supply, or by means of the **CLA-VAL e-Power-MP** microturbine, for a fully battery-free autonomous product.

- Up to 6 data acquisition channels
- Data communication via 4G and 2G
- Local configuration through WiFi 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
- Protection IP68

* Depends on device configuration settings

► TECHNICAL DATA

Power Supply:	<ul style="list-style-type: none"> • Internal lithium battery (accessible) • Option: high-capacity lithium external battery • Option: external power supply (5-30 VDC)
Inputs:	<ul style="list-style-type: none"> • 4x analog (0-5 V / 0-10 V) • 2x digital (dry contact or pulse)
Logger & data storage:	<ul style="list-style-type: none"> • Configurable logging interval • Memory: 16 MB Flash + 8 GB Micro-SD • Interface to <i>Link2Valves™</i> for remote data access and configuration (optional) • Communication to custom server
User Interface:	<ul style="list-style-type: none"> • WiFi 802.11n/ac for local configuration • Interface to CLA-VAL <i>Link2Valves™</i> for remote configuration
Data Communication:	<ul style="list-style-type: none"> • 4G (LTE-M1, NB-IoT) and 2G (GPRS) • Micro SIM card (accessible) • Extendable antenna with flexible cable
Embedded Intelligence:	<ul style="list-style-type: none"> • Flow totalizer • Option: <i>DP-Metering™</i> valve flowrate calculation (requires CLA-VAL sensors) • Other options: contact CLA-VAL
Housing & General:	<ul style="list-style-type: none"> • Dimensions: 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: -10°C to 70°C • Storage Temperature: -20°C to 80°C