

# Cla-Val CV-Log/ CV-Log+ Communicating Data Logger with Latching Control Option

- Up to 4 data acquisition channels
- GPRS communication
- Instantaneous alerts on condition
- Interface to CLA-VAL *Link2Valves*™ for data and event visualization
- Remote configuration (via CLA-VAL *Link2Valves*™)
- Up to 5 years autonomy
- IP68 protection

**Leading  
the Innovation**





# CLA-VAL CV-Log CLA-VAL CV-Log+

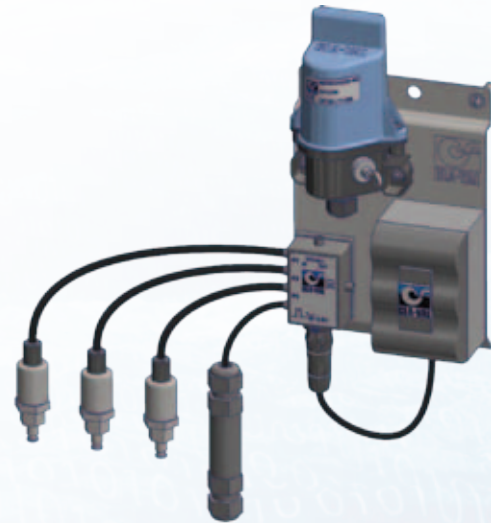
## CV-Log

The **CLA-VAL CV-Log** is a communicating data logger allowing the signal acquisition of 1 up to 4 sensors (3 analog channels and 1 digital channel), and transmitting the acquired data via GPRS (data communication package sold separately). An alert can be sent instantaneously, based on a configurable condition, as for example if the pressure gets out of a programmed acceptable range.

The **CV-Log** can be interfaced to the CLA-VAL *Link2Valves™* web platform, allowing the visualization of the acquired data, and the remote configuration of the device.

With a compact and ergonomic design, the **CV-Log** is easily and quickly installed on site.

The **CV-Log** implements an internal lithium battery as a standard, which can optionally be substituted by a high capacity external battery, for an extended life operation.



## CV-Log+

**CLA-VAL CV-Log+** combines the communicating logger features of the **CV-Log**, able to acquire up to 4 channels (3 analog and 1 digital), with the capability to activate a latching solenoid based on time, flow or pressure conditions, or upon a remote command.

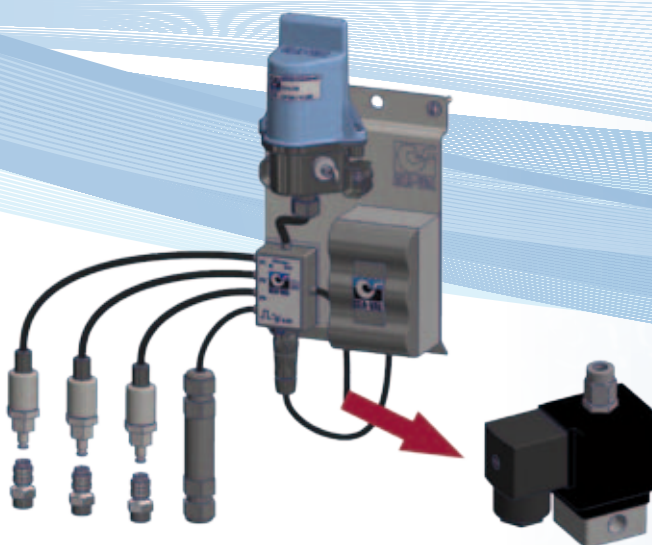
When a given condition is met, for example if the flow reaches a given value or the pressure is out of range, an alert can be sent to one or multiple users (optional data communication and alert package).

The **CV-Log+** is interfaced to the CLA-VAL *Link2Valves™* web platform, allowing the visualization of acquired data and remote configuration of the device commutation rules (package sold separately).

With a compact and ergonomic design, the **CV-Log+** can be easily and quickly installed on site.

When combined with the **CLA-VAL CHA** Hydraulic Actuator, the **CV-Log+** allows very quick and easy retrofit on existing **CLA-VAL 90-01 PRVs**, transforming them into simple 2-stage pressure modulating valves.

The **CV-Log+** is also the perfect control device for creating dynamic zones (DMAS) with simple boundary valves.



# SPECIFICATION

## CV-Log

### Power Supply

- Internal lithium battery  
(Standard battery autonomy: 3 years with a logging every 15min and 1x/day data transmission)
- Option: External replaceable lithium battery pack

### Inputs

- 3x analog 0-5 V for pressure sensors
- 1x digital (dry contact)

### Logging

- Configurable logging speed
- Flash memory: 128 kB

### Data Communication

- GPRS

### Housing

- Material: Polyamid plastic & reinforced polyphthalamid
- Protection: IP68
- Dimensions (without external battery pack): 160 x 90 x 68 mm
- Weight: 340 g. (without external battery pack)
- Working temperature: -30°C to +60°C



## CV-Log+

### Power Supply

- Replaceable lithium battery pack  
(Autonomy: 5 years with a logging every 15 min and 1x/day data transmission)

### Inputs

- 3x analog 0-5 V for pressure sensors
- 1x digital (dry contact)

### Output

- 1x latching solenoid (6 VDC)

### Logging

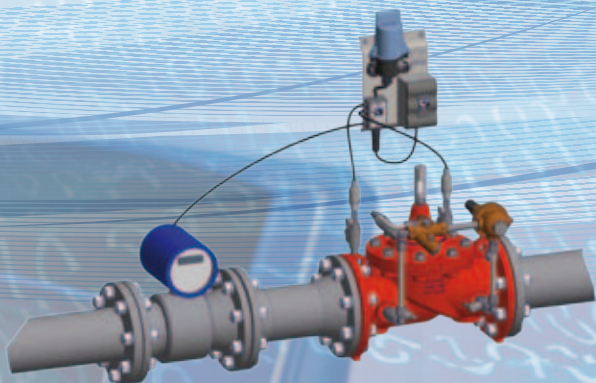
- Configurable logging speed
- Flash memory: 128 kB

### Data Communication

- GPRS

### Housing

- Material: Polyamid plastic & reinforced polyphthalamid
- Protection: IP68
- Working temperature: -30°C to +60°C





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#### WATERWORKS

From the reservoir to the customer tap, the CLA-VAL Company has developed more than 3,500 Automatic Control Valve models.

Accurately controlling pressure, tank level and flows within water networks is the result of more than 80 years of unparalleled expertise.

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