



**CLA-VAL CV-Log-35** is an ultra-low power smart data logger with 6 acquisition channels (4 analog and 2 digital inputs). Acquired data is stored in a large internal memory and can be transmitted through the 4G LTE-M and NB-IoT communication networks, optimized for data communication. The product is also compatible with legacy 2G (GPRS) networks.

The product can be connected to a custom remote server of your choice, or alternatively interfaced to the **CLA-VAL Link2Valves™** platform for easy, security-proven, and complete integration with full remote configuration.

**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 connect the product; the CV-Log-35 is easily configured via a WiFi interface (auto-generated) from any smartphone, tablet, or computer.

Its intuitive interface allows easy product configuration and real-time information display such as inputs, data communication, events, battery capacity or other system settings.

To ease deployment, product configuration can be saved and loaded in multiple devices.

**CLA-VAL CV-Log-35** embeds a standard lithium battery, providing 5 years battery life\*. Battery life can be extended with an optional external high-capacity battery.

\*Battery life valid for one communication a day with an optimal network connection (>-80dBm)

- Embedded flow calculation algorithm
- Data communication through 4G LTE-M & NB-IoT to any custom server
- Full remote configuration from CLA-VAL Link2Valves™
- On site wireless configuration from any smartphone, tablet or PC
- Up to 6 inputs
- Standard 5-year autonomy\*
- IP68 protection

### ► TECHNICAL DATA

<b>Power Supply:</b>	<ul style="list-style-type: none"> <li>• Internal lithium battery (replaceable)</li> <li>• Option: high-capacity lithium external battery</li> <li>• Option: external power supply (6-24 VDC) compatible with CLA-VAL e-Power MP turbine</li> </ul>
<b>Inputs:</b>	<ul style="list-style-type: none"> <li>• 4x analog (ratiometric / 0-5 V / 0-10 V)</li> <li>• 2x digital (dry contact or pulse)</li> </ul>
<b>Logger &amp; data storage:</b>	<ul style="list-style-type: none"> <li>• Configurable logging interval</li> <li>• Memory: 8 GB Micro-SD</li> <li>• Interface to <b>Link2Valves™</b> for remote data access and configuration (optional) or communication to custom server</li> </ul>
<b>User Interface:</b>	<ul style="list-style-type: none"> <li>• WiFi 802.11n/ac (auto-generated) for local configuration with smartphone, tablet or PC</li> <li>• <b>CLA-VAL Link2Valves™</b> for remote configuration (if connected)</li> </ul>
<b>Data Communication:</b>	<ul style="list-style-type: none"> <li>• 4G (LTE-M1, NB-IoT) and 2G (GPRS)</li> <li>• Micro SIM card (accessible)**</li> <li>• Extendable antenna with flexible cable</li> </ul>
<b>Embedded Intelligence:</b>	<ul style="list-style-type: none"> <li>• Option: <b>ValveFlow™</b> valve flowrate computation (requires CLA-VAL sensors)</li> <li>• Other options: contact CLA-VAL</li> </ul>
<b>Housing &amp; General:</b>	<ul style="list-style-type: none"> <li>• Dimensions: Ø 132 mm x L 130 mm (no antenna, no bracket)</li> <li>• Easy opening system without screws or tools</li> <li>• Material: PC / ABS plastic UV resistant</li> <li>• Protection: IP68 (2 m, 1 month)</li> <li>• Operating Temperature: -10°C to 70°C</li> <li>• Storage Temperature: -20°C to 80°C</li> </ul>

\*\*SIM card and data communication package sold separately or provided by the user