



PRESS Release



Type of product: **Power & Energy Logger**

Product names: **PEL105**

PEL 105, the Power Energy Logger which is ideal for applications in the field

The specialist in portable electrical instrumentation is completing its range of PEL Series loggers under the Chauvin Arnoux® brand with the latest model for energy auditing or point measurements on networks.

The **PEL 105 logger** is particularly simple to use with an all-terrain IP67 casing capable of withstanding shocks, UV rays and extreme temperatures. It is ideal for outdoor installation directly on an electricity pole. This logger was developed in the Group's R&D laboratories in France and manufactured on the production sites in Normandy, like the Group's other product ranges. .

With its **1,000 V CAT IV safety rating**, it can be used for measurements on all LV networks, including measurements of the neutral-earth voltage and the neutral current. This stand-alone instrument is equipped with a **self-powering system** via its voltage inputs up to 1,000 V. The PEL 105 offers **5 voltage inputs and 4 current inputs**. Compatible with a large number of current sensors to make it easier to use, it also **recognizes the sensors automatically**.

» The communicating logger

Designed for use in the field, the PEL 105 can be set up in places where access is difficult. The measurements can be monitored in real time or the data can be recovered via USB, SD card, Ethernet, WiFi or Bluetooth for processing on a PC or tablet.

» Applications

The PEL 105 can be used to **measure, record and analyse the power values** (W, var, VA) and energy values (kWh, kvarh, kWh). At the same time, they record the PF and the DPF. Recording is continuous with a sampling interval of 200 ms.



To improve **energy efficiency according to ISO 50001** or carry out the audits required by the regulations, the PEL 105 can be set up on the different electrical feeders. It can then be used, simply and without downtime, to assess the relative weight of each line as a proportion of overall consumption, define a load profile for the installation and thus determine the priorities for improvement.

» Analysis of the measurements

The DataView® software platform is equipped with a wide range of functions including analysis of the measurements, comparisons and generation of measurement reports. DataView® can be used to monitor the measurements from each PEL logger in real time, whether it is connected to the Ethernet network or via Bluetooth or WiFi. This makes it simple and quick to view the measurements from all the instruments installed at different points in the building.

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