PRESS RELEASE

CHAUVIN ARNOUX

Contact Press
Fulya AYTAC
+33 1 44 85 44 76
fulya.aytac@chauvin-arnoux.com

To save energy and consume better, the PEL100 models record everything!

Two new models are being launched to complete Chauvin Arnoux's range of PEL100 loggers: the IP67 all-terrain PEL106 and the PEL104 for applications on electric motors. They offer **new measurement modes, new communication modes, 3G/GPRS, and potential new applications!**
For generators or major consumers of electricity, certification organizations, electricians and maintenance technicians, the PEL100 loggers are ideal for requirements involving:
- Power and energy metering (EN ISO 14001)
- Energy efficiency (European directive 2012/27/UE)
- Electricity consumption auditing (NF EN ISO 50001)
- Validation of actual energy consumption
- Maintenance & diagnostics

Measurements

It is not necessary to cut off the mains when you set up your PEL100. Whatever the type of electrical network, they measure TRMS voltages and currents, power and energy values, Pf, DPF, CF and THD.
When used with remote L452 loggers, the **PEL106 records analogue measurements**, (external parameters, up to 8x2 channels) such as temperature, pressure, engine torque, etc. It is ideal for applications in the new energies sector (e.g. wind power).
Via its dedicated ANDROID application, the PEL104 can perform measurements for applications on motors: motor rotation speed, torque and efficiency. No need to add specific sensors to monitor the behaviour of a motor in real time!

Ultra-communicating

The PEL104 and PEL106 are equipped with multiple communication modes: USB, Ethernet, Bluetooth, WiFi and 3G/GPRS. **The 3G/GPRS mode** enables users to insert a SIM card in the PEL, in order to connect to it remotely via a GSM/3G link. It is also possible to access the PEL106 via an IRD server.

Ergonomics

The range comprises 3 compact models (PEL102, PEL103 and PEL104) in slimline magnetized casings which are easy to set up in an electrical cabinet.

With its IP67 casing, the PEL106 can be transported anywhere in the field and can be installed on an electricity pole. No more battery problems: these loggers are self-powered directly via the phase thanks to the accessory supplied.
Their backlit LCD screen (except on the screenless PEL102) sis equipped with a triple or quadruple digital display which is particularly easy to read. With the possibility of inserting an SD/SD-HC card, the PEL100 can save the data from several months or even years.

Software

The PEL Transfer software delivered as standard can be used to analyse the data recorded with the PEL100 models. **New**: the software directly calculates the cost of the power consumed and gives the result in the local currency selected.
The DATAVIEW software platform allows you to define alarm thresholds and generate preformatted reports.

Additional specifications:

- Active, apparent and reactive power values
- Total or partial energy
- Breakdown of energy losses
- Acquisition: 5 measurements / second
- 1000 V CAT IV (PEL106) / 1000 V CAT III (PEL104)

OCTOBER 2020 – Non-contractual document

CHAUVIN ARNOUX GROUP