

Type of product: power and network quality analysers
Names of products: C.A 8331, C.A 8333 & C.A 8336

Qualistar+ for a full overview of your electrical network

The whole range of Qualistar+ power and network quality analysers from Chauvin Arnoux is being upgraded. With the Qualistar+, you can check every aspect of your low-voltage electrical network.

The applications covered by the Qualistar+ range now include preventive or corrective maintenance and energy efficiency. Whether you are troubleshooting a fault in an emergency or



carrying out preventive maintenance, the Qualistar+ models capture and record all the parameters, transients, alarms and waveforms simultaneously. Up to 40 alarms can be set at the same time and each alarm threshold overrun is recorded and time/date-stamped with its duration and Min, Max and signed Peak values. The "transients" mode can be used to view fast variations, including those lasting less than 80 μ s.

The "harmonics" mode can be used to display the THD on voltages, currents and powers up to the 50th order in bargraph form. It indicates the THD value as a percentage of the RMS value and the phase shift of each harmonic. The distorting currents are calculated directly to help with sizing of the anti-harmonic filters.

Power & energy values

The Qualistar+ models now offer complete decomposition of the power values and their associated factors: total reactive power (N) and reactive power divided between the reactive power due to the phase shift (Q) and the reactive power due to the harmonics (D), power factor, displacement power factor and tangent, etc.

To perform an energy survey, audit and analysis, the Qualistar+ recording mode allows you to calculate the energy consumed and generated (toe, Joule, BTU, Wh, etc.). Continuous measurements and periodic checks with the Qualistar+ models ensure that your action remains effective over the long term.

Ergonomics

The results are particularly easy to read on these portable, lightweight but rugged instruments thanks to their ¼ VGA TFT screen. The Qualistar+ models are simple to handle and can be used intuitively, as all the functions are directly accessible on the front panel. With up to 5 voltage inputs and 4 current inputs, the Qualistar+ models allow measurements on all types of electrical installations (three-phase, Aron, etc.). For use in the field, the Qualistar+ models are equipped with a side strap to make them easier to hold and a bag for "hands-free" working. There is also a stand on the rear panel so that they can be set up on a bench or table.

In terms of standards, these analysers comply with the requirements of **IEC 61010 1000 V CAT III and 600 V CAT IV, as well as IEC 61000-4-30 Class B.**

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