

# CG APPLICATIONS

CARLO GAVAZZI



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**Market involved : Electricity , Energy**

**Product : WM14-96AV53HR2S1AX**

**Customer : OEMs, Panel Builders**

**Subject : Generator sets**

## CUSTOMER ISSUE :

The manufacturers of generator sets need a power analyser capable to measure, display and control all the main variables relevant to the produced power, including the harmonic distortion.

Optionally, the analyser shall be able to transmit all the information via a serial communication port.

## OUR SOLUTION:

The Advanced version of WM14 is ideal for this application.

The PLC-type alarm control on 16 variables allows to divide the anomalies in two groups, each of them related to one of the digital outputs: critical problems (phase loss, under-voltage, frequency, with OR logic) can automatically lead to the disconnection of the generator set, with a horn or lamp warning; non-priority anomalies can just be transmitted to the supervisor system via the serial port.

Furthermore WM14 Advanced gives the possibility to count the generation hours and to monitor different electrical parameters (from the current to the harmonic distortion), storing the peak and valley values too.

## ACHIEVED BENEFITS:

- Only 45 mm depth behind the panel, therefore WM14-96 is suitable to be mounted in all the switch and control gears
- PLC-type control functions allowing to save money for a more complex PLC
- Harmonic analysis for load failure prevention
- Hour counter meter for generator maintenance planning
- Min/max values storage to check the limit levels reached by the variables
- Universal power supply
- UR, CSA approvals (future)

