

CG APPLICATIONS

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Market involved : Ceramic&Glass, Packaging, Food&Beverage, Plastic&Rubber, Textile, Wood, Machine Tools

Product : WM14-96AV53DPG

Customer : Panel Builders, Engineering companies, System Integrators

Subject : Cost allocation (in breweries)

CUSTOMER ISSUE :

The management of a brewery needs to have a cost control system for beer production sites.

It is necessary to allocate in detail the costs for each process and for each department, in order to charge them in the relevant cost centre.

Furthermore, the main electrical variables of each department are to be measured and safety reasons dictate each CT to be singly earth-connected.

OUR SOLUTION:

The engineering company in charge to solve the problem proposes a system that collects pulses for energy consumptions with a supervisor that acquires, processes and logs all the information.

WM14-96AV53DPG is the instrument that provides the energy pulses (active and reactive energy) to the system.

In addition, it gives the possibility to monitor different electrical parameters of the single departments, also storing the peak values of the demanded power and its inputs are galvanically insulated so that the external CT's can be singly grounded.

ACHIEVED BENEFITS:

- Only 45 mm depth behind the panel, therefore WM14-96 is suitable to be mounted in all the switch and control gears
- Hour counter meter for machine maintenance planning.
- Galvanic insulated measuring inputs to ground all the external CT's.
- Thermal current measurements with peak storage for fuse blow detection to check if protections are well designed.

