

A. T. M. S.

Proven Advanced Technology Solutions

TRIPHASOR Phase Identification and Network Balancing for Live LV

by MADE-SA

Measures Phase loads

Measures Customer loads

Identifies LV Phases

Runs Live

Simple to Use

Communicates down the
feeders



BALANCE YOUR LV NETWORK!

TRIPHASOR is used to obtain the information needed to correctly balance the loads on an LV network and identify the phase connections to customers.

A transmitter is connected by Rogowski coils to each phase and by croc clips to each phase and neutral in the sub-station, and is powered from phase 1 for indefinite operation. It continuously measures the Voltage and Current and calculates the Neutral Current and the Power and Power Factor on each phase. It transmits this information, plus the **phase number**, over all the feeders from the substation.

With the transmitter installed, the operator can then take local measurements of voltage, current and power consumption at each customer whilst also reading the sub-station values which are continuously updated.

The hand-held receiver has LEDs to show the **phase number**, and an LCD screen to display the **customer values** of **Voltage, Current, Power and Power Factor OR the substation values** of these parameters. Using this system, it is quickly obvious if there is unbalance in the loading of the phases, and to locate the customer or customers causing this unbalance. With this information, the network operator can promptly determine the actions necessary to bring the network into balance, which in many cases can avoid the need to upgrade the network infrastructure and also improve the overall efficiency of the distribution system.

Manufactured to NF EN 50065-1, 50082-1, (EMC) & 61010 Electrical Security.

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