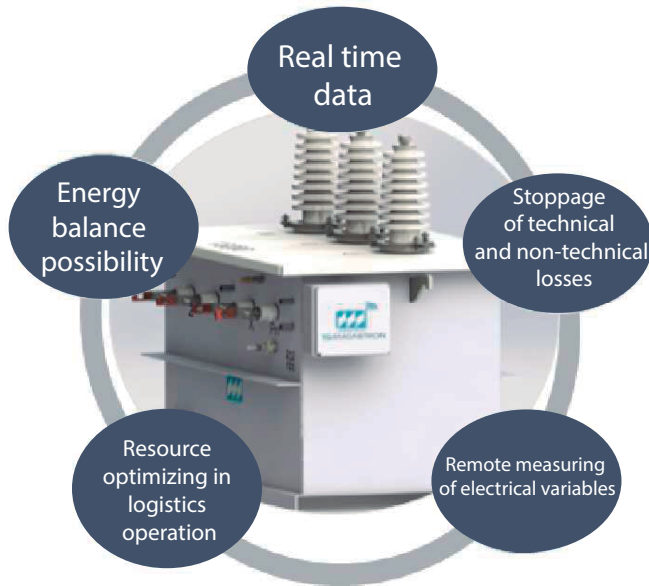
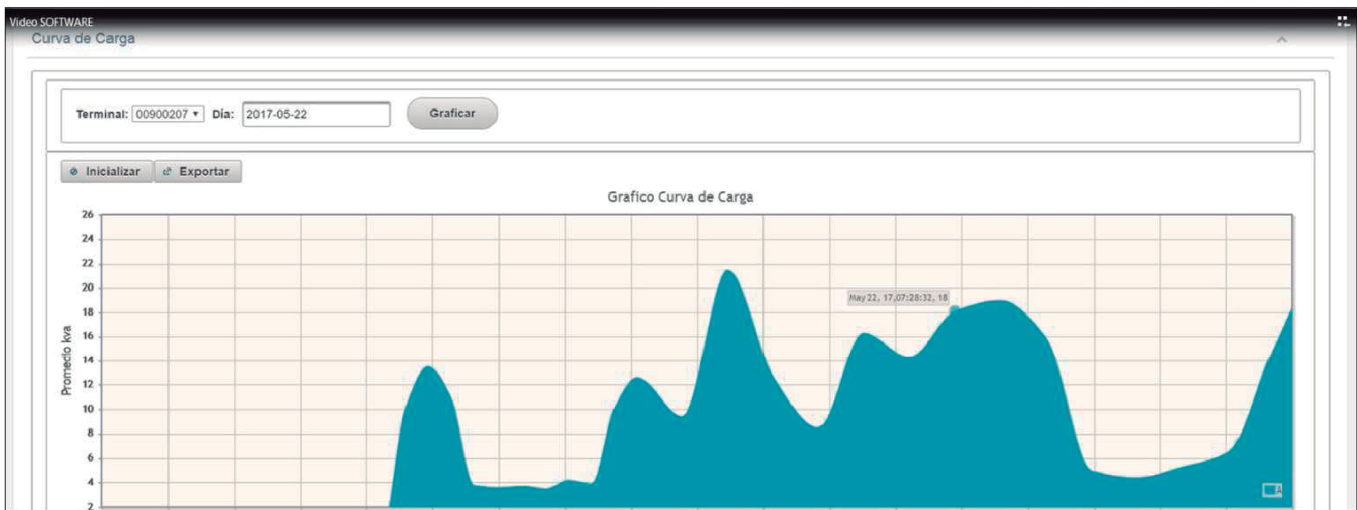


USES

In the search to generate a product that follows the trend of the electricity sector towards an intelligent network, MAGNETRON SAS seeks to give added value to distribution transformers, so that they can be telemanaged in real time, and therefore customers can optimize these equipments use and the circuits connected to them, being the main beneficiaries with this new technology and with all the advantages of logistic nature and network administration.



These transformers are manufactured in compliance with applicable NTC, IEC, ANSI standards and/or customer specifications.



Load curve graph/ Average Kvar

The TGMAGNETRON equipment is a complete telemetering system of electrical variables and power consumption. It is composed of an indirect three-phase macro meter with a GPRS communications modem, which is integrated into the transformer through current transformers IN THE LOW VOLTAGE CONNECTION, located on the outside for the TGMODULAR model or internal current transformers for the TGINCORPORADO model.

The main functionalities of the TGMAGNETRON system are the following:

FUNCTION	DESCRIPTION
Consumption measuring	TGMAGNETRON measures the consumption in both active power (KWh) and reactive power (KVar)
Electrical variables measuring	Measurement in each of the 3 phases: voltage, current and power factor
Detection and reporting of out of limits variables	The equipment can be programmed with maximum and minimum permissible values on each of the variables. If these limits are exceeded, the system detects and reports the anomaly
Variables graph	The system allows graphing the variables measured in a given time
Information centralization	Communication via cellular or WiFi (optional) to the software where information is controlled and managed in real time

ANNEX OF CHARACTERISTICS AND IDENTIFICATION OF ACTIVE AND REACTIVE POWER CLASS 0.5S METERS MANUFACTURED BY MAGNETRON COLOMBIA

Type	Multifunctional 4 wire, three-phase electronic transformers / 3 wire single-phase
Reference	TGMAGNETRON MODULAR
Nominal Voltage (V)	120-280V
Nominal Current (A)	1A
Maximum Current (A)	5A
Nominal Frequency (Hz)	50-60Hz
Number of Phases	3-2
Number of Wires	4-3
Configuration	Three-phase, Single-phase
Accuracy Class	0,5
Degree of Protection	IP65
Data Visualization	Control Software
Way of Adjustment	Remote
Central Communication	GPRS Quad Band
Communications Port	Infrared
Measurement	Active and Reactive Power
Enclosure	Polycarbonate