

NEW PRODUCTS 2013

MEASUREMENT, CONVERSION

3-PHASE POWER NETWORK METER **N43**



- for **direct (up to 63 A)** and indirect measurement, in 3-phase 4-/3-wire balanced and unbalanced systems,
- measurement of: RMS values of voltage and current, active, reactive and apparent power, active, reactive energy, power factors, frequency,
- programable current and voltage ratios,
- indications considering values of programmed ratios,
- pages / screens configurable by the user,
- backlit LCD display,
- 3 programmable alarm outputs and 1 pulse output in standard version,
- pulse output for monitoring of 3-phase active energy,
- digital transmission to the master system through the RS-485 interface (MODBUS),
- configuration by using free eCon software, through USB,
- implemented function for software update,
- modular switchgear on TS35 rail in accordance with EN 62208 (meter has a width of 6 modules),
- dimensions: 105 x 110 x 60 mm.

1-PHASE POWER NETWORK METER **N27P**



- for **direct (up to 63 A)** and indirect measurement, in 1-phase system
- measurement of: RMS values of voltage and current, active, reactive and apparent power, active, reactive energy, power factors, frequency,
- universal measuring input: 1/5 A, 100/400 V or 32/63 A, 100/400 V,
- programable analog output 0...20 mA,
- programmable current and voltage transformer ratios,
- OLED display,
- digital transmission through RS-485 interface with MODBUS RTU Slave protocol,
- configuration by using free eCon software, through USB,
- modular switchgear on TS35 rail in accordance with EN 62208 (meter has a width of 3 modules),
- dimensions: 53 x 110 x 60 mm.

UNIVERSAL TRANSDUCER OF PULSES, TURNS, FREQUENCY, OPERATION TIME **P300**



- 2 universal pulse inputs,
- individual characteristic (up to 21 points) for each input,
- 3 versions: standard, with Ethernet and internal memory, with SD card,
- mathematical functions for each input,
- 1 or 2 (option) alarm output,
- power supply of object transducers 24V d.c. (option),
- RS-485 interface Modbus RTU Slave, Modbus TCP Slave (option),
- data recording in internal memory up to 4MB, in external SD/SDHC card (option) or internal file system memory (8GB) (option),
- transducer configuration using buttons, RS485 interface and eCon software, WWW server,
- dimensions: 45 x 120 x 100 mm.

1-PHASE NETWORK METER **N27D**

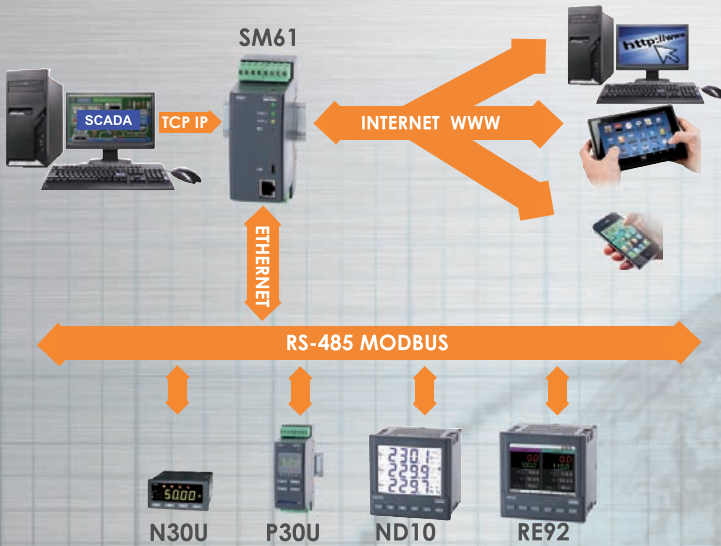


- for **direct measurement (up to 63 A)**,
- measurement of: RMS of current (a.c.) and voltage (a.c.), active power, frequency,
- switched measured value and backlit indicator of displayed value,
- 4-digit display in yellow colour,
- modular switchgear on TS35 rail in accordance with EN 62208 (meter has a width of 3 modules),
- dimensions: 53 x 110 x 60 mm.

NEW PRODUCTS 2013

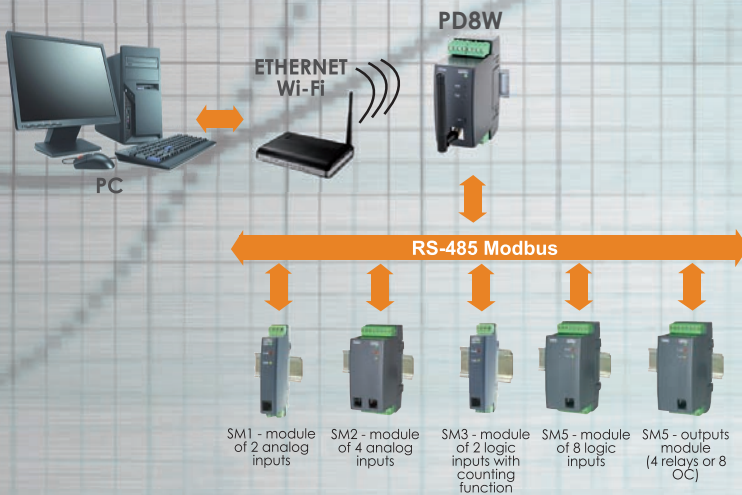
■ WIRELESS COMMUNICATION AND VISUALIZATION ■

DATA LOGGER WITH WWW SERVER **SM61**



- for visualization of process parameters by any web browser from the remotest places in the world,
- for communication with SM61 you can use PC, tablet or mobile phone with a web browser,
- visualisation of current and archived data according to customer configuration (synoptic maps, charts, tables) by any web browser,
- readout up to 2500 values from slave devices (up to 100 devices, each 25 registers),
- built-in FTP and web servers,
- alarms or binary inputs for control of archiving,
- RTC (real time clock),
- possibility of simultaneously work by many users,
- user's access control by a password,
- dimensions: 45 x 120 x 100 mm.

CONVERTER OF RS-485/ETHERNET WI-FI INTERFACES - **PD8W**



- enables the access to devices with RS-485 interfaces for master devices and SCADA applications through the Ethernet Wi-Fi network (independent of communication protocol),
- device configuration through any web browser,
- configuration through USB port,
- working modes: socket TCP/IP, Modbus TCP,
- RealPort network service (resources connected to the computer, visible through the virtual port COM in the master computer),
- UDP serial bridge (enables the connection of many parts of the MODBUS network in one whole connected through the Ethernet network),
- password protection.

HMI PANELS - **HMI450, HMI730, HMI750, HMI1050, HMI1550**



- **competitive prices,**
- TFT matrix: 4,3", 7", 10", 15",
- version 24 V DC or 230 V AC,
- USB port, RS485 Ethernet,
- SD card.