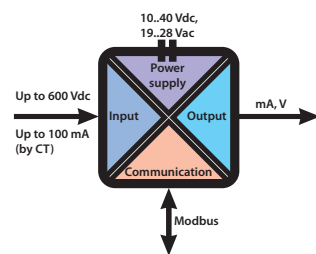


S203T

AC TRIPLE PHASE NETWORK ANALYZER, 100 mA INPUT



S203T is a complete three-phase network analyser suited for use with up to 600 Vac voltage range and up to 100mA current range (specific CTs must be used). The instrument provides all the following electrical measurable variable: Vrms, Irms, Watt, Var, Va, Frequency, Cosφ. Measurements are available through Modbus serial communication or through analogue retransmission (mA or V). A 3-way galvanic isolation among Power supply // input // RS485 circuits assures the integrity of your datas.

TECHNICAL SPECIFICATIONS

General Data

Power supply	10..40 Vdc; 19..28 Vac (50-60 Hz)
Power Consumption	2,5 W
Isolation	3.750 Vac (from/to power) 1500 Vac (other circuits)
Status Indicator	Power supply, error, RS485 communication
Accuracy class	0,2%
Protection Degree	IP20
Operating Temperature	-10...+65 °C
Dimension (W x H x D)	105 x 89 x 60 mm
Weight	About 160 g
Enclosure	Plastic Material UL V0
Mounting	35 mm DIN rail guide

Communication

Interface	2 wire RS485 RS232, front jack, speed 2400 Baud, data bits 8, Parity: NO, Stop bits:1
Speed	Reading every 25 ms
Protocol	ModBUS RTU slave
Distance	Up to 1.200 m
Connectivity	Max 32 nodes
Data Memory	EEPROM configuration parameters, retention time 10 years

I/O

Channel Numbers	1 input, 1 output
Input Type	Voltage: max 600 Vac, 50-60 Hz Current: 100mA from CT (S203T) -Single phase -Aron (three phase with N.2 CT) -Four wires (three-phase with N.3 CT)/ current
Output Type	Rs485 Modbus RTU slave: 1200...115200 baud rate Analogue output: corresponding at Vrms, Irms, Watt, cosφ

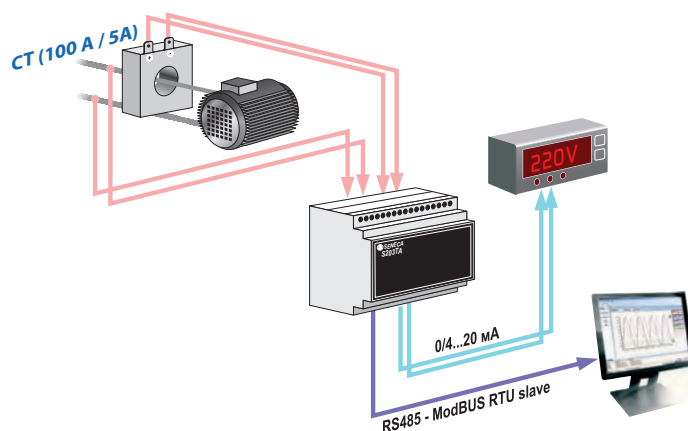
Programming

DIP switches	Address setting Baud rate setting - Selection of inserction type - Selection of 3 phase o 1 phase - Output
Software	All parameters

Standard

Approval	CE
Norms	EN 61000-6-4/2002, EN 61000-6-2/2002, EN 61010, EN 60742

APPLICATION NOTE



ORDER CODES

Code	Description
S203T	AC triple phase network analyzer, 100 mA input

ACCESSORIES & SOFTWARE

TA15 Current transformer (CT) – 15 A / 100 mA	TA25 Current transformer (CT) – 25 A / 100 mA	TA100 Current transformer (CT) – 100 A / 100 mA	EASY SETUP Plug&Play configuration software pg. 98

SIMILAR PRODUCTS

S203TA AC triple-phase network analyzer, 5 Arms input pg. 132	Z203 Single phase network analyzer pg. 89