

ART203 TRIPHASE POWER GRID ANALYSER

ART203 is suitable for voltages up to 600 Vac, with certain currents from the CTs with 5 A output connected. The instrument is able to provide all of the following electrical parameters: Vrms, Irms, Watt (bidirectional), Var, VA, frequency, power factor, with a separate charge of energy consumption / generated (positive / negative). All values can be acquired via serial communication in floating point format is standardized (except frequency and active energy). It is also possible analog retransmission of any of the magnitudes Vrms, Irms, Watt and PF single-phase, three-phase, or a phase of choice

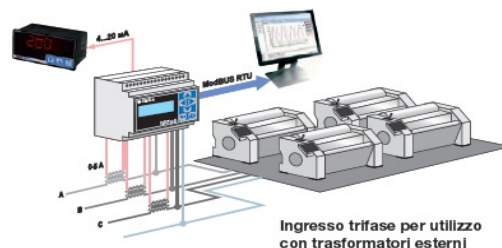


- Double register MODBUS energy produced / consumed
- Full management of the calculation of the average power
- Possibility of transmitting energy accounted or direction of the current through the digital output
- Support TV (voltage transformers)
- Display diagnostic

TECHNICAL SPECIFICATIONS

Supply:	10...40 Vdc; 19...28Vac 50-60 Hz - max consumption 2.5 W
insulation:	4 kV Vac (to / from the power circuits); 1500 VAC (other circuits)
Status indicators:	350V Cat II
Display:	Backlit LCD front 2 lines x 16 digit
Retransmission error:	0.1% maximum range
Bandwidth::	7 kHz
Accuracy calss:	0.2% (voltmeter, amperometer, wattmeter)
Insertion type:	Single-phase, Aron three-phase, four-wire three-phase
Connections:	secondary TA 5A max typical accuracy 0.5%
Protection:	IP20
Assembly:	35 mm DIN rail
Connections:	screw terminals, 5.08mm pitch
Operating temperature:	-10...65°C
Dimensions/weight:	105x89x60 mm / 160 g
Enclosure:	plastic UL VO
Communication interfaces:	1x RS485; 1x programming mini USB
Protocol:	ModBus RTU up to 1200 m, 1 reading every 25 ms
Connectivity:	max 32 nodes (Baud Rate Max 115200 b / s)
I/O:	1 IN - 3 OUT
Input type:	VOLTAGE direct up to 600 Vac; CURRENT up to 5 Arms
Output type:	1 x RS485 modbus slave 1 x Analog voltage 0-5 / 10V DC (min load resistance 2 kOhm) or current 0 / 4-20 mA, max load resistance 500 Ohm
CE Compliant:	EN 61000-6-4, EN 61000-6-2, EN 61010-1

Transformers accuracy:	TA015	TA025	TA100
Transduction report:	1		
Primary rated current:	15 Arms	25 Arms	100 Arms
Full scale:	15 A	25 A	100 A
Precision class:	+/-0.1%		
Phase angle:	<1.2°	<0.7°	
Nominal power:	max 4 ohm		
Operating temperature:	-10...60°C		
Thickness:	38x15 mm		



Three-phase input for use with external transformers



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