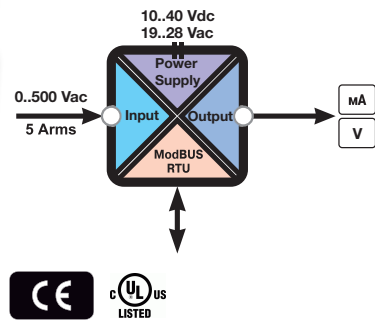


Z203-1

AC SINGLE PHASE NETWORK ANALYZER TO DC CURRENT/VOLTAGE ISOLATOR/CONVERTER



Z203 is a complete single-phase network analyser suited for use with up to 500 Vac voltage range and 5A current. The instrument provides all the following electrical measurable variable: Vrms, Irms, Watt, Var, 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
Power consumption	2,0 W
Isolation	4000 Vac towards power supply / output ports.
Power transducers	Yes
Accuracy	0,5%
Response time	100 ms
Status Indicators	Power supply
Setting	Dip- switches (address, baud rate, analog output) Easy 203 (PC software)
Mounting	35 mm DIN rail guide
Protection Degree	IP20
Operating Temperature	-10..+65 °C
Dimension (W x H x D)	17.5 x 100 x 112 mm

Input

Channel Numbers	2
Current	0..5 Aac
Voltage	0..500 Vac

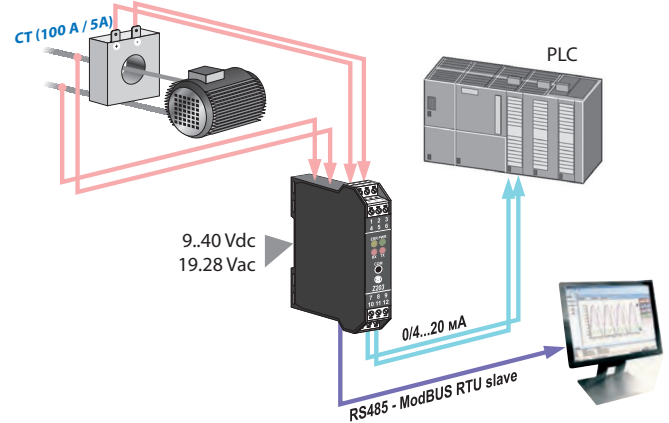
Output

Channel Numbers	1 (configurable for Vrms, Irms, P, Q, cosφ)
Voltage	4 scales: 0..1, 0..5, 0..10, 2..10 V Min load resistance: 2.500 Ω
Current	2 scales: 0/4..20 mA (active/passive) Max load resistance: 600 Ω
Rs485	1200..115200 Baud
Rs232	2400 Baud, Address: 01, Parity: NO, Data: 8bits; Stop bits: 1

Standard

Approval	CE, UL
Norms	EN60688/1997 + A1 + A2. EN61000-6-4/2002-10 EN61000-6-2/2006-10 EN61010-1/2001

APPLICATION NOTE



ORDER CODES

Code	Description
Z203-1	AC single phase network analyzer to DC current/voltage isolator/converter, Power supply 10..40 Vdc / 19..28 Vac

ACCESSORIES & SOFTWARE

PM001601 Programming cable pg. 98	Z-PC-DIN Backplane for power & bus communication pg. 38	EASY SETUP EASY SETUP Programming software pg. 98

SIMILAR PRODUCTS

Z204 AC/DC Voltage converter (1000 Vac/Vdc) to DC current/voltage isolator/converter - RS485 Modbus RTU pg. 90	S203TA AC triple-phase network analyzer, 5 Arms input pg. 132