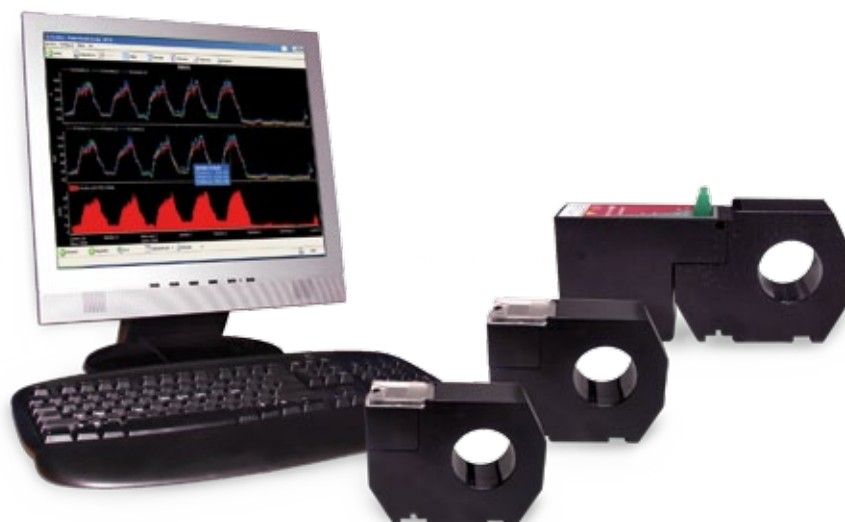


Power Net

Three-phase power analyzer



Description

- Direct Current measuring, up to 1,000 Aac, depending on the type
- The measure points are composed of a PowerNet and 2 TC-PowerNet

Application

- Control application in distribution panels and low and medium voltage connections, with the need to measure various points with compact units, with no need to install them on DIN rail or panel
- Control of instantaneous, maximum and minimum values of the electrical parameters measured.

PowerNet - 0°



PowerNet - 90°



Features

Power supply circuit	400 Vac (-15...+10%) between L1-L2
Frequency	50...60 Hz
Consumption	4.2 V·A
Metering circuit	
Nominal voltage	300 Vac (ph-n) / 520 Vac (ph-ph)
Frequency	45...65 Hz
Nominal current	Up to 1,000 Aac, depending on the model
Voltage consumption of the circuit	0.75 V·A
Overload (permanent)	1.2 I_n
Class/Accuracy	
Voltage	0.5 % ± 2 digits
Current	0.5 % ± 2 digits
Power rating	1 % ± 2 digits
Ambient conditions	
Operating temperature	-10 ... +50 °C
Relative humidity	5 ... 95%
Build features	
Type of box	VO self-extinguishing plastic
Degree of protection	IP 54
Dimensions	165 x 73 x 33 mm
Weight	220 g
Safety	
Designed for CAT III 300/520 Vac installations, in accordance with EN 61010 . Double-insulated electric shock protection, class II	
Standards	
IEC 664, VDE 0110, UL 94, IEC 801, IEC 348, IEC 571-1, EN 61000-6-3, EN 61000-6-1, EN 61010-1	

References

PowerNet Units

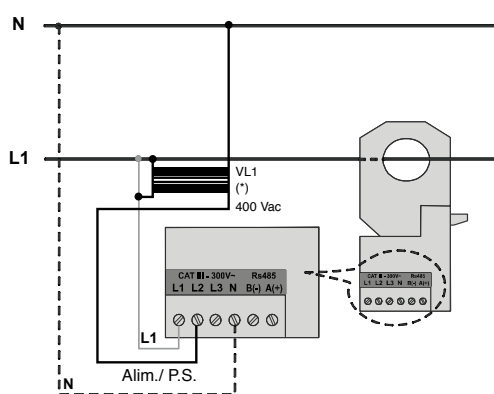
Metering current	Quadrants	Class	Communications	Protocol	Net section \varnothing (mm)	Analyzer position with its TC	Type	Code
50 A	2	0,5	RS-485	Modbus/RTU	\varnothing 35 mm	0°	Power Net-35-50	M52621
100 A	2	0,5	RS-485	Modbus/RTU	\varnothing 35 mm	0°	Power Net-35-100	M52622
250 A	2	0,5	RS-485	Modbus/RTU	\varnothing 35 mm	0°	Power Net-35-250	M52623
500 A	2	0,5	RS-485	Modbus/RTU	\varnothing 70 mm	0°	Power Net-70-500	M52624
1000 A	2	0,5	RS-485	Modbus/RTU	\varnothing 70 mm	0°	Power Net-70-1000	M52625

TC-PowerNet Units

Metering current	Class	Net section \varnothing (mm)	Type	Code
50 A	0,5	\varnothing 35 mm	TC-PowerNet- 35-50	M52631
100 A	0,5	\varnothing 35 mm	TC-PowerNet- 35-100	M52632
250 A	0,5	\varnothing 35 mm	TC-PowerNet- 35-250	M52633
500 A	0,5	\varnothing 70 mm	TC-PowerNet- 70-500	M52634
1000 A	0,5	\varnothing 70 mm	TC-PowerNet- 70-1000	M52635

Connections

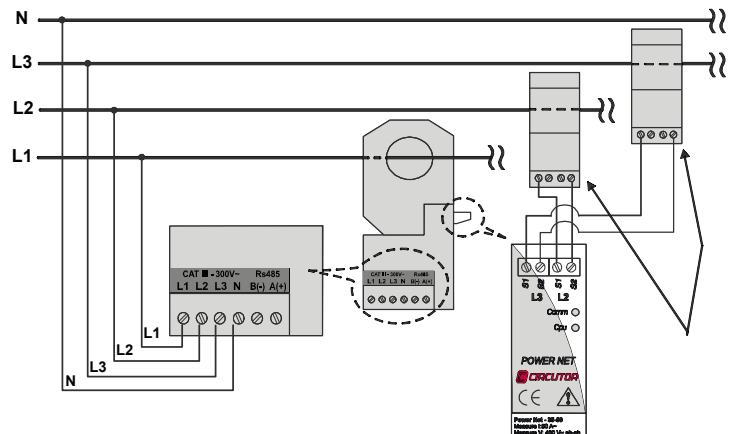
Single-phase system



(*) Requires voltage transformer for power supply (L1-L2 to 400 Vac) Not provided

Single-phase connection: 1 power Net

Unbalanced three-phase system



Unbalanced three-phase connection: 1 Power Net + 2 TC-PowerNet

Dimensions

TC-Power Net	Dimensions (mm)					Weight (kg)
	A	B	C	D	E \varnothing	
WG-35	100	79	26	48,5	35	0,150
WG-70	130	110	32	66	70	0,240

