

Factsheet – Specs at a glance:

General characteristics

Temperature	operating	0°C - 50°C
	storage	-20°C - 70°C
Weight (with Powerline)		150g
Protection rating		IP30
Dimensions		90 x 53 x 68mm

EMC compliance

Emissions	EN 61000-6-1:2007
	EN61000-6-3:2007+A1:2011
Immunity	EN61000-6-2:2005
	EN 61000-6-4:2007+A1:2011

Safety

Overvoltage Category	Cat. II
Standards	EN 62368-1:2014
	EN610-1:2010 + A12:2011 + A2:2011

Electrical characteristics for input supply (between L3 and N terminals)

Input voltage	Nominal	230V
	Range	207 - 253VAC
Frequency	Nominal	50Hz
	Range	45-55Hz
Power	Typical	2W
	Maximum	5W

Current clamp input (N, 3, 2, 1)

Input voltage range	Nominal	0 - 0.333V
	Absolute maximum	0 - 0.4V
Cable Length	Maximum	3m
Clamp error detection: detection if clamps are not attached to the meter for L1 / L2 / L3		

Voltage input (N, L3, L2, L1)

Input voltage range between N and L2 / L1 for measurement	Nominal:	
	without PLC:	150V - 230V
	with PLC:	50V - 230V
	Absolute Maximum:	
	without PLC:	150V - 230V
	with PLC:	50V - 230V
Input voltage range between N and L3	Nominal	230V
	Absolute maximum	207V - 250V
* L3 will be used to power the device		

Ethernet

Datarate	Nominal	10/100Mbps
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WIFI

Datarate	Nominal	300Mbps
Standard		802.11b/g/n (2.4 Ghz only)

Powerline

Datarate	Maximum	10 Mbps
Compliant with		Green PHY specification
Interoperable with		HomePlugAV

Network setup options

WiFi	Select SSID from Scan	YES
	Obtain IP from DHCP	YES
	Manually set IP	NO
LAN	Obtain IP from DHCP	YES
	Manually set IP	YES
PLC	Obtain IP from DHCP	YES
	Manually set IP	NO

Measurement Accuracy*

Frequency	Nominal value	50Hz
	Nominal accuracy	+/-0,01Hz
	Resolution	0.01Hz
Voltage	Nominal value	230V
	Nominal accuracy	+/-0,5%
	Resolution	0,01V
Current	Nominal value	30A \pm 0.333V
	Nominal accuracy	+/-0,5%
	Resolution	0.001A
Phase angle	Resolution	0,1°
Power factor	Resolution	0.001
Active power	Nominal accuracy	+ /-0,5%
	Resolution	0.0039W
Reactive Power	Nominal accuracy	+/-0,5%
	Resolution	0.0039VAr
Apparent power	Nominal accuracy	+/- 0,5 %
	Resolution	0,0039VA
Active energy	Nominal accuracy	+ /- 0,5 %
	Resolution	0.03125Whr
Reactive energy	Nominal accuracy	+ /-0,5%
	Resolution	0.03125VArhr
Sampling interval	Nominal	320 ms

* at 25°C within 1 year after calibration, between 5% and 100% of nominal current