

Power Meter

Technical Datasheet



Power meter



Wired M8 cabled connection



3-Phase sensor or 3000A sensor

OR



Ethernet | LTE (4G)



Sensorfact software

POWER METER

Measurement	Unit measured	Amperes, Volts
	Sampling frequency	1 measurement every 5 or 30 seconds depending on the variable
	Measurement range	0-3000A 0-320V (L-N)
	Accuracy of complete product	≥98%
	Accuracy of the coil	For Current Transformers: ≥ 99% in the range of the coil. For 3000A sensor: more or equal to 99% from 400 to 3000A and when the measured cable is placed in the red or blue dots (see next page).
Installation	Calibration	Not required
	Impact	Power: Install via fusebox/circuit breaker (max 6A); 230 VAC outlet or 24 VDC supply required within 1.5 m. Current coils: Clip-on, no supply interruption; provide combined cable Ø if multiple conductors per phase.
	Max enclosure-to-cable distance	2 meters
	Temp/Humidity range	-20 °C to 70 °C; 0-80%, non condensing
Enclosure specifications	Environment	Indoor use
	Case dimension	83mm x 83mm x 20mm
	Material	ABS
	IP rating	IP54
Power supply	Voltage	24VDC with barrel jack connector
	Connector type	Barrel jack
	Maximum power consumption	24W
	Cable length	1.5 meters
Connectivity		4G (recommended), Ethernet
Production details		Produced in Europe
Compliance		CE, UKCA and RoHS compliant

3-PHASE SENSOR

Material specifications	Bobbin	PBT
	Core	Permalloy
	Internal structure	Epoxy
	Output connection	UL1015 20AWG Wire
0-200A	Maximum cable diameter	24mm
	Dimensions	70mm x 51.5mm x 39mm
	Material	PA UL94-V0
200-600A	Maximum cable diameter	35mm
	Dimensions	84mm x 65mm x 41mm
	Material	PA UL94-V0
600-1000A	Maximum cable diameter	50mm
	Material	PA UL94-V0

3000A SENSOR

1000-3000A	Maximum cable diameter	150mm
	Dimensions	155mm x 150 mm x 24 mm
	Material	Thermoplastic rubber flame retardant UL 94 V-0 rated
	Couplings	Couplings PA6 UL 94 V-0 rated
	IP rating	IP68

Current coil measurement locations

