Sigen Power Sensor

- WiFi halow remote communication functionality (with Sigen Sensor Sub1G Kit)
- Efficient and stable data transmission up to 200m (with Sigen Sensor Sub1G Kit)
- 1% high-accuracy power detection for precise control
- LCD real-time info display, easy to operate and check
- Integrate smoothly with Sigenergy devices, no need for setup
- Top class 100 A direct connection in power sensor with built-in CT
- 100 ms data refresh rate, instantaneous data feed

Sigen Sensor Sub1G Kit

Sigen Power Sensor



Sigen Power Sensor

Sigen Sensor [1,2]	SP-CT100	TP-CT100	Units
Power Supply			
Grid connection type	1P2W	3P3W/3P4W	
AC input voltage range	100 ~ 276	176 ~ 276 (L~N), 277 ~ 304 (L-L)	Vac
Nominal AC frequency	50 / 60		Hz
Measurement Accuracy			
Voltage accuracy	0.5%		
Current accuracy	0.5% (4 ~ 100A)		
Power accuracy	1%		
Frequency accuracy	0.5%		
Communication			
Interface	RS485		
Baud rate	9,600		bps
Protocol	Modbus RTU		
General Data			
Dimensions (W / H / D) [2]	19 / 94.5 / 68.5 or 18 / 100 / 65.5		mm
Weight	0.07	0.08	kg
Storage temperature range	-40 ~ 70		℃
Operating temperature range	-25 ~ 65		℃
Relative humidity range	0% ~ 95%		
Ingress protection rating	IP20		
Installation method	DIN Rail 35 mm		
CT Accessory			
Number of CT	1	3	pcs
Cable length of CT	1		m
Inner diameter of CT [2]	24 / 16		mm
Weight of CT [2]	0.09 / 0.133	0.2 / 0.43	kg
Max. operating current of CT	100		A
Standard Compliance			
Standard	EN 61010-1:2010, EN 61010-2-030:2010		

	Sigen Sensor Sub1G Kit	Units
Working mode	AP(master device), STA(slave device)	
Communication method	RS485 / wireless communication	
Protocol	IEEE 802.11ah	
Operating voltage	85 ~ 277	Vac
Power consumption	2	W
Operating temperature range	-25 ~ 55	℃
Dimensions (W / H / D)	18 / 118 /66	mm
Wireless frequency	868	MHz
Wireless transmission distance [3]	≤ 200	m
Installation method	DIN Rail 35 mm	

1. For more models refer to the Sigenergy website.
2. Sensors from two different manufacturers may be shipped interchangeably as they are functionally identical. Please refer to the actual products received for confirmation.
3. Lab tests have shown a maximum horizontal range of up to 200 metres in open spaces, with shorter communication distances when walls are in the way.