

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
- Compact IP size, plug-in design for easy installation
- Integrate smoothly with Sigenenergy devices, no need for setup

Sigen Sensor Sub1G Kit



Sigen Power Sensor



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Sigen Sensor ¹	SP-DH	SP-CT100 ²	TP-DH	TP-CT100 ²	Units	
Power Supply						
Grid connection type	1P2W		3P3W/3P4W			
AC input voltage range	176 ~276	100 ~ 276	173 ~ 480	176 ~ 276 (L~N) 277 ~ 304 (L-L)	Vac	
Nominal AC frequency	50 / 60				Hz	
Max. operating current	100	-	100	-	A	
Measurement Accuracy						
Voltage accuracy	0.5%					
Current accuracy	0.5%	0.5% (4 ~ 100A)	0.5%	0.5% (4 ~ 100A)		
Power accuracy	1%					
Frequency accuracy	0.2%	0.5%	0.2%	0.5%		
Communication						
Interface	RS485					
Baud rate	9,600					bps
Protocol	Modbus RTU					
General Data						
Dimensions (W / H / D)	36 / 100 / 63	19 / 94.5 / 68.5 or 18 / 100 / 65.5	72 / 100 / 66	19 / 94.5 / 68.5 or 18 / 100 / 65.5	mm	
Weight	0.20	0.07	0.32	0.08	kg	
Storage temperature range	-40 ~ 70					°C
Operating temperature range	-25 ~ 65					°C
Relative humidity range	0% ~ 90%					
Ingress protection rating	IP20					
Installation method	DIN Rail 35 mm					
CT Accessory						
Number of CT	-	1	-	3	pcs	
Cable length of CT	-	1	-	1	m	
Inner diameter of CT	-	24 / 16	-	24 / 16	mm	
Weight of CT	-	0.09 / 0.13	-	0.2 / 0.43	kg	
Max. operating current of CT	-	100	-	100	A	
Standard Compliance						
Standard	EN 61010-1:2010, EN 61010-2-030:2010					
Sigen Sensor SubIG Kit						
Working mode	AP(master device), STA(slave device)					Units
Communication method	RS485 / wireless communication					
Protocol	IEEE 802.11ah					
Operating voltage	85 ~ 277					Vac
Power consumption	2					W
Operating temperature range	-25 ~ 55					°C
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 Sigenenergy 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.