Sigen Power Sensor



Sigen Sensor Sub1G Kit



Sigen Power Sensor

- Automatic phase sequence adaptation (TP-CT100/300/600-WI only)
- Automatic CT polarity correction (TP-CT100/300/600-WI only)
- 1% high-accuracy power detection for precise control
- 50 ms data refresh rate, instantaneous data feed
- Integrate smoothly with Sigenergy devices, no need for setup

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Sigen Power Sensor

Sigen Sensor [1]	TP-CT100-WI	TP-CT300-WI	TP-CT600-WI	TPX-CH	TP-CT5	Units
Power Supply						
Grid connection type	3P3W/3P4W					
AC input voltage range	100 ~ 277 (L~N), 173 ~ 480 (L-L)			100 ~ 480	52 ~ 264 (L~N) 90 ~ 456 (L-L)	Vac
Nominal AC frequency	50 / 60					Hz
Measurement Accuracy						
Voltage accuracy	0.5%					
Current accuracy	0.5% (>4A), 1% (1~4A), 3% (0.06~1A)			0.5%		
Power accuracy	1%					
Frequency accuracy	0.2%					
Communication						
Interface	WLAN / Bluetooth / RS485			RS485		
Baud rate	9,600					bps
Protocol	Modbus RTU					
General Data						
Dimensions (W / H / D)	19 / 97 / 66			72 / 100 / 65.5	72 / 98 / 65.5	mm
Weight	0.08			0.35	0.23	kg
Storage temperature range	-40 ~ 85			-40 ~ 70		°C
Operating temperature range	-40 ~ 70			-25 ~ 55		°C
Relative humidity range	0% ~ 95%					
Ingress protection rating	IP20					
Installation method	DIN Rail 35 mm					
CT Accessory						
Number of CT	3	3	3	-	3	pcs
Cable length of CT	1	1	6	-	6	m
Inner diameter of CT	16	24	36 / 50	-	10	mm
Weight of CT	0.28	0.65	1.50 / 2.60	-	0.08	kg
Max. operating current of CT	100	300	600	-	5	A

	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	°C
Dimensions (W / H / D)	18 / 118 /66	mm
Wireless frequency	868	MHz
Wireless transmission distance [2]	≤ 200	m
Installation method	DIN Rail 35 mm	

1. For more models refer to the Sigenergy website.
2. 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.

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Version: 20261028