

Sigen Power Sensor



Sigen Sensor SubIG Kit



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- WiFi halow remote communication functionality (with Sigen Sensor SubIG Kit)
- Efficient and stable data transmission up to 200m (with Sigen Sensor SubIG Kit)
- 1% high-accuracy power detection for precise control
- Compact 1P size, plug-in design for easy installation
- Integrate smoothly with Sigenenergy devices, no need for setup
- 50 ms data refresh rate, instantaneous data feed

Sigen Power Sensor

Sigen Sensor ¹	TP-CT100 ²	TP-CT300 ²	TP-CT600 ²	TPX-CH	TP-CT5	Units
Power Supply						
Grid connection type	3P3W/3P4W					
AC input voltage range	176 ~ 276 (L-N), 277 ~ 304 (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%					
Power accuracy	1%					
Frequency accuracy	0.5%			0.2%		
Communication						
Interface	RS485					
Baud rate	9,600					bps
Protocol	Modbus RTU					
General Data						
Dimensions (W / H / D)	19 / 94.5 / 68.5 or 18 / 100 / 65.5 ²			72 / 100 / 65.5	72 / 98 / 65.5	mm
Weight	0.08			0.35	0.23	kg
Storage temperature range	-40 ~ 70					
Operating temperature range	-25 ~ 55					
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	1	-	6	m
Inner diameter of CT ²	24 / 16	24 / 24	34 / 50	-	10	mm
Weight of CT ²	0.2 / 0.43	1.06 / 0.77	1.09 / 2.62	-	0.08	kg
Max. operating current of CT	100	300	600	-	5	A
Standard Compliance						
Standard	EN 61010-1:2010, EN 61010-2-030:2010					

	Sigen Sensor SubIG 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 ³	≤ 200	m
Installation method	DIN Rail 35 mm	

- For more models refer to the Sigenenergy website.
- Sensors from two different manufacturers may be shipped interchangeably as they are functionally identical. Please refer to the actual products received for confirmation.
- 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.