

Sigen Power Sensor

with Rogowski coil



- Split-core installation for compact retrofitting on irregular busbars
- High overcurrent resilience with negligible signal distortion
- Ultra-wide frequency response spanning 30Hz to 5kHz
- Scalable 300/1000/3000A ranges for 0.2MVA–2MVA scenarios
- Industrial-grade Class B precision for energy measurement
- Fast 50ms data refresh for robust anti-backflow control

Sigen Power Sensor Rogowski Coil

Sigen Sensor ¹	TP-RC300	TP-RC1000	TP-RC3000	Units
Power Supply				
Grid connection type	3P4W			
AC input voltage range	176 ~ 276 L-N 304 ~ 477 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%			
Rogowski Coil Position Error	1%			
Communication				
Interface	RS485			
Baud rate	9600			bps
Protocol	Modbus RTU			
General Data				
Dimensions (W / H / D)	18 / 100 / 65.5			mm
Weight	0.076			kg
Storage temperature range	-40 ~ 70			°C
Operating temperature range	-25 ~ 55			°C
Relative humidity range	0% ~ 95%			
Ingress protection rating	IP20			
Installation method	DIN Rail 35 mm			
Rogowski Coil Accessory				
Number of Coil	3			pcs
Cable length of Coil	6			m
Weight of Coil	0.56	0.66	0.87	kg
Max. operating current of Coil	300	1000	3000	A
Standard Compliance				
Standard	EN 61010-1:2010, EN 61010-2-030:2010			

1. For more models refer to the Sigenergy website.