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.

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