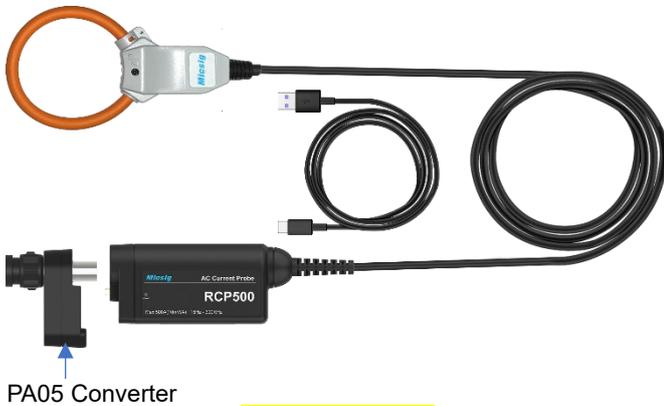


Rogowski AC Current Probe

RCP500 Series



RCP500 Plus



RCP500

Features

- ▶ Compactly designed with exquisite appearance
- ▶ 1% high accuracy with less than 2mV noise
- ▶ Rogowski coil measurement system, safe and easy
- ▶ Powered directly by Micsig *Universal Probe Interface (UPI)
- ▶ Optional converter (PA05), to work with any oscilloscope (RCP500 Plus only)



RCP500 on Micsig UPI oscilloscope



RCP500 Plus on non-UPI oscilloscope

Main Specifications

Model / Ordering Number	RCP500	RCP500 Plus
Power supply	Micsig UPI	Micsig UPI or PA05 (USB)
Bandwidth	15Hz - 300KHz (-3dB)	
Current Range	200mA (pk) - 500A (pk)	
Output Sensitivity	10mV/A	
Typical Accuracy	1%	
Phase Accuracy	≤0.8° (45Hz-66Hz)	
Conductor Positional Accuracy	Within ±1% (Deviation from the Center)	
Temperature Coefficient	Temp. range + 0.05 × Accuracy Specification /°C (23°C±5°C)	
Influence of External Magnetic Fields	1.5% f.s. or below (400A/m,50Hz/60Hz)	
Offset Voltage	±1mV or below	
Max Voltage	AC 10kV RMS (1 minute), (50Hz/60Hz) (Rogowski coil only)	
Output Noise	< 2mV rms	
Conductor Under Test Diameter	≤ φ50mm	
Coil to Integrator Cable Length	2m (customizable)	
Rogowski Coil Inner Diameter	50mm (customizable)	
Operating Temperature	-20-70°C	
Operating Humidity	Max 80%, no condensation	
Operating Altitude	≤ 2000m	
Operating Environment	Indoor use, Pollution Degree 2.	

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