

Rogowski Coils

Technical Specifications

Product Information	S10.1-NRC-80	S10.1-NRC-100	S10.1-NRC-150
Color of the coil	Blue	Green	Orange
Place of use	Indoor use,pollution level 2,altitude below 2000m		
Working temperature	-20°C~70°C		
Working humidity	Maximum 80%, no condensation		
Storage temperature and humidity range	-30°C~70°C, below 80%RH, no condensation		
Dust tightness Waterproof resistance	IP65 (EN60529) (Only the coil part)		
Applicable standards	Safety: EN61010 EMC : EN61326, EN61000-3-2, EN61000-3-3		
Withstand voltage	AC RMS 3kV (1 minute) (50Hz/60Hz) (Only the coil part)		
Maximum output	1.5V rms		
Power supply	Rated power supply voltage:DC 12VDC Maximum rated power: 0.1W		
Cable length	3m		
Dimensions (integrator)	28W × 17H × 48L mm (excluding protrusions)		
Inner diameter of the coil	80mm	100mm	150mm
Diameter of the cross section of the coil	Φ8mm		
Rated ratio	100mV/kA		
Maximum output(overload)	4.5V AC pp		
Power consumption	70mW		
Bandwidth	45Hz~5kHz(±3dB)		
Power Supply	12VDC		
Rated input	1000A	2500A	5000A
Reading accuracy	±0.5%rdg.±0.5%f.s. Central location		
Phase error	≤0.5°		
0A output (zero drift)	≤1mV		
Maximum rated voltage to the ground	AC600V(CATIV), AC1000V(CATIII)		
Temperature drift	≤100ppm/°C		

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Phone:(844) 765-0150

E-mail: CommercialEVsupport@autel.com

