BR Series Rogowski Coil Flexible Current Transformer

1.Features

The BR series flexible Rogowski coil is a high-sensitivity flexible current sensor that can be directly integrated with portable devices such as power analyzers. It is suitable for energy consumption monitoring, high-frequency current monitoring, DC ripple measurement, and more. Customizable in different sizes upon request.

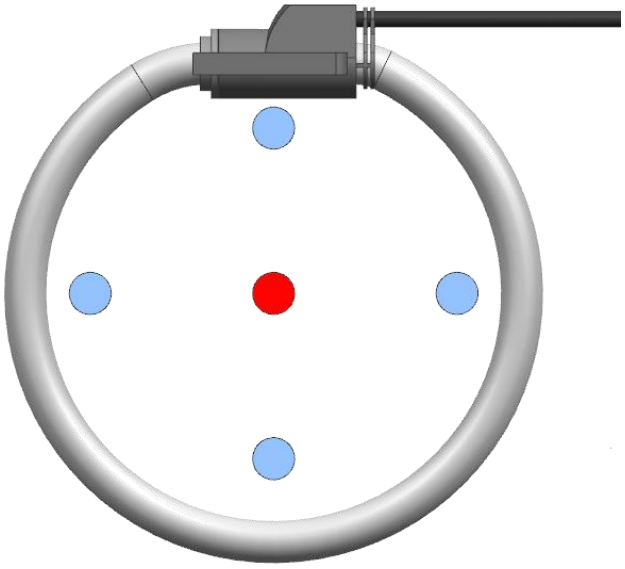
- Excellent linearity
- High overload capacity
- Minimal interference from adjacent conductors
- No risk of high voltage in open-circuit conditions
- Low positional error
- Flexible and lightweight, easy to install
- Wide bandwidth range
- Zero power consumption

2.Specifications

Module	BR-90	BR-150	BR-200	BR-300
Circumferenc	300mm	500mm	650mm	1000mm
Inner Diameter	90mm	150mm	200mm	300mm
Rated Current	1000A	2000-5000A	4000-8000A	5000-10000A
Sector Diameter	12mm			
Output Cable Length	Default 2m, other size customizable			
Ratio	200±0.5%mV/kA@50Hz Other Specs customizable…			
Positional Error	±1%			
OA Output [Zero Drift]	≤1mV			
Phase Angle Error	≤0.5°			
Linearity	±0.2%			
Bandwidth	1Hz - 10kHz			
Operating Temp.	-40℃ - 80℃			
Storage Temp.	-50℃ - 90℃			
Flame Retardant	Thermoplastic rubber for wires and cables IEC-60332-1-2 compliant			
Shielding	100% for coil, 100% for signal cable			
Insulation Voltage	Coil: 3000V; Signal cable: 300V			

3. Positional

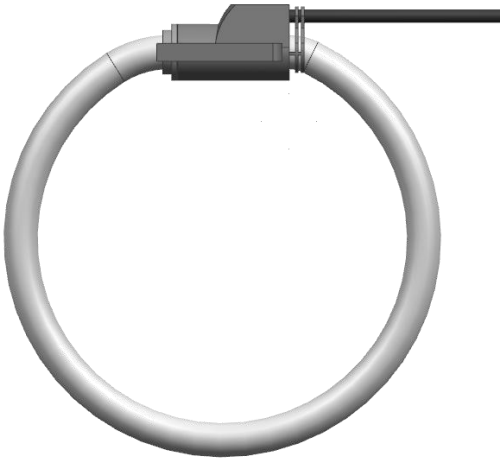
Conductor Position	Error (%)
●Near the center of coil	＜0.5%
●Near the inner coil edge	＜1%

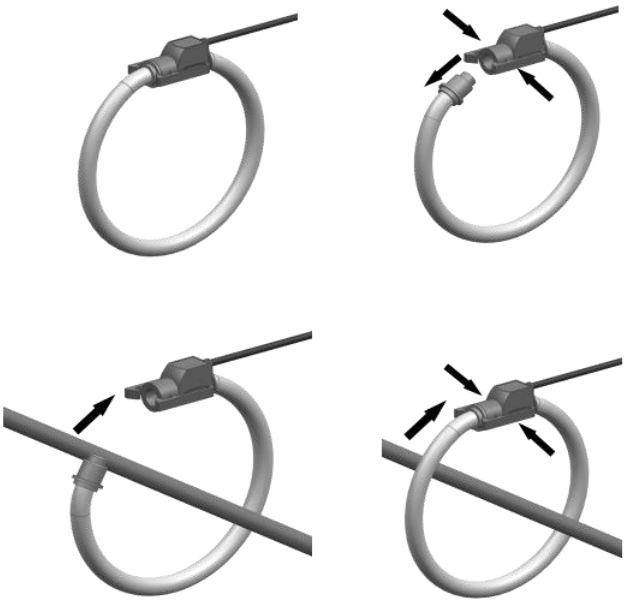




Note: One set includes three coils.

4. Installation illustration





Note: The secondary lead wire of the coil is a 2*0.2mm² cable, with a standard length of 2m ± 10cm.