

## BR Series High Sensitivity Flexible Rogowski Coil

### 1.Product Features

BR Series High Sensitivity Flexible Rogowski Coil is a flexible current sensor with high sensitivity, which can be directly combined with portable devices such as power analyzer. BR series applies to energy consumption monitoring, high-frequency monitoring, DC ripple measurement, ect. The size can be customized accordingly.

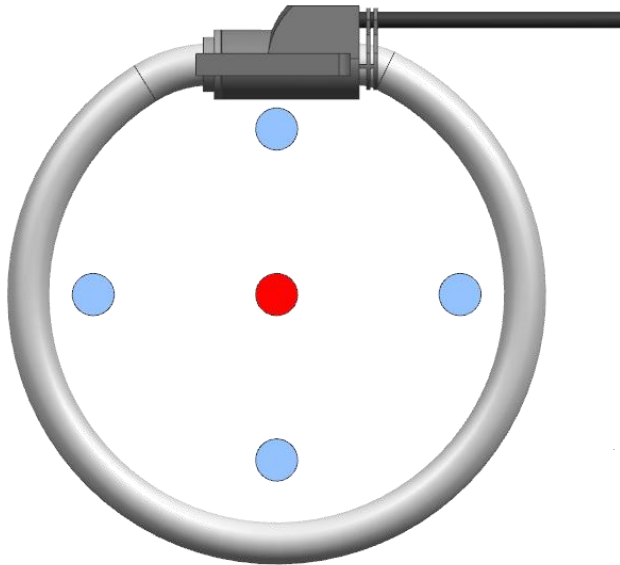
- Excellent Linearity
- Strong Overload Capacity
- Small Interference from Adjacent Conductors
- No Open-Circuit high Voltage Danger
- Zero Power Consumption
- Small Position Error
- Soft and Light, easy to install
- Good Linearity
- Large Bandwidth Scope
- Single Hand Connector -opening Operation

### 2.Technical Parameters

Type	BR-90	BR-150	BR-200	BR-300
Perimeter	300mm	500mm	650mm	1000mm
Internal Diameter	90mm	150mm	200mm	300mm
Refence Current	1000A	2000-5000A	4000-8000A	5000-10000A
Cross-Section	12mm			
Signal Line Length	Default: 2m, can be customized			
Transformation Ratio	200±0.5% $\text{mV/kA@50Hz}$ Other sensitivities can be customized			
Position Error	±1%			
OA Output (Zero Drift)	≤1mV			
Angle Error	≤0.5°			
Linearity	±0.2%			
Bandwidth	1Hz - 10kHz			
Operation Temperatures	-40°C - 80°C			
Storage Temperatures	-50°C - 90°C			
Flame Retardant	Thermoplastic Rubbers for Wires and Cables IEC-60332-1-2 Flame Retardant Class			
Shield	Coil 100%, Signal Cables 100%			
Insulation Voltage	Coil: 3000V; Signal Line:300V			

### 3. Position Error

Conductor Position	Error (%)
● Adjacent to the Connector	<0.5%
● Adjacent to the Inner Coil Edge	<1%



### 4. Installation Diagram

