



## BR series flexible Roche coil with high sensitivity

### 1. Characteristics

BR series Flexible Roche coil is a highly sensitive flexible current sensor, which can be directly integrated with portable equipment such as power analyzer. Suitable for energy consumption monitoring, high frequency current monitoring, DC ripple measurement, etc. Different sizes can be customized according to requirements.

- Excellent linearity
- High dynamic range, 0.1A to 500KA
- Strong overload capacity
- Little interference from adjacent conductors
- No open circuit high pressure hazard
- zero power consumption
- Small position error
- Soft and light, easy to install
- Wide bandwidth range
- IP65
- Open the joint with one hand

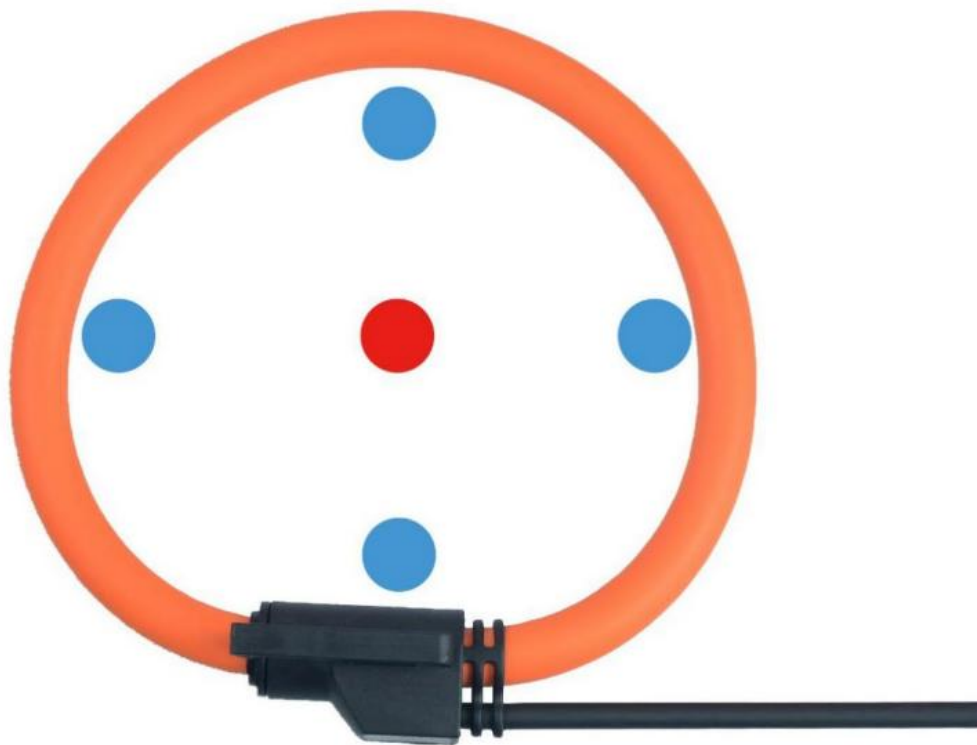
### 2. Parameters

Model	BR-90	BR-150	BR-200
Length	300mm	500mm	600mm
diameter	90mm	150mm	200mm
Current	$\leq 500\text{kA}$		
weight	100 - 500g		
Coil resistance	50 - 500 $\Omega$		
Max current	500kA		
Section	12mm		
Signal line length	Standard 2m, customized available		
CT	$200 \pm 0.5\% \text{mV/kA@50Hz}$		
Error	$\pm 1\%$		
0A output	$\leq 1\text{mV}$		
Angle difference	$\leq 0.5^\circ$		
Linear	$\pm 0.2\%$		
Width	1Hz - 10kHz		
Working temperature	$-40^\circ\text{C} - 80^\circ\text{C}$		
Storage temperature	$-50^\circ\text{C} - 90^\circ\text{C}$		
flame retardant	IEC-60332-1-2		
shield	Coil 100%, signal cable 100%		

### 3. Position error

AcrelCo.,ltd  
Contact number:+8618761593924  
E-mail: lukas.lu@email.acrel.cn

Conductor position	Error (%)
● Close joint	<0.5%
● Close to inner coil edge	<1%



#### 4. Wiring

