

# Soft Roche Coil

Output signal(di/dt):

144 mV/1000A @ 60 Hz

120 mV/1000A @ 50 Hz

Band width(-3dB): 2Hz~100kHz

Output sensitivity:  $\pm 2\%$

Maximum reponse time(10 to 90%): 1us

Location is sensitive:  $\pm 1\%$

Operating temperature:  $-20^{\circ}\text{C}\sim 70^{\circ}\text{C}$

Integrator porwer supply: DC9V DC12V DC24V

Standrd lead length: 2m



Technical Data Sheet:

Model	Rated current	Maximum window size	Phase difference	Accuracy	Linearity
RST-090-400A/0.333V	400A	90mm	$\leq 1\%$	$\pm 0.5\%$	$\pm 0.2\%$
RST-100-800A/0.333V	800A	100mm			
RST-150-1000A/0.333V	1000A	150mm			
RST-190-3000A/0.333V	3000A	190mm			
RST-200-5000A/0.333V	5000A	200mm			

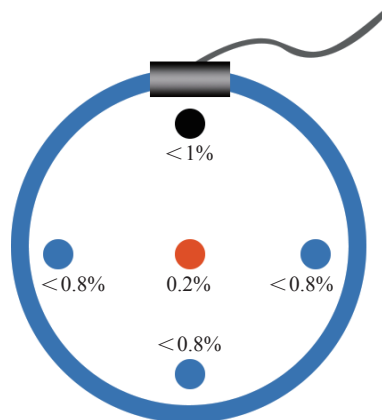


Figure 1. Diagram shows percentage error resulting from position of conductor inside coil

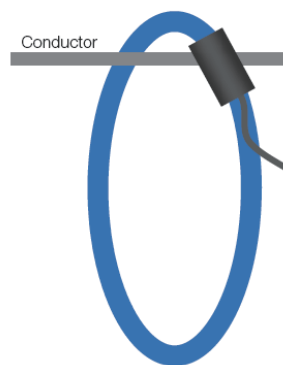


Figure 2. Side view of conductor passing through.

## WARING!

Do not stress the coil by applying any kind of mechanical force(ie.twisting,puncturing,excessive pressure,tight bending,etc.) which will dramatically degrade the device's accuracy.