

multitek[®]

MultiCoil

M240-RCM

Rogowski Coil

Description

The M240-RCM Multicoil offers a flexible alternative to conventional solid, and split core, current transformers. With a wide operating range and extremely easy installation, they are perfect for use in retrofitting applications, or when the load simply cannot be disconnected for installation.

Our Rogowski coils offer a flexible, easy to install, and safe method of current measurement from under 30A to over 4000A. The coils can be easily clipped around a cable or busbar like a split-core transformer, but without the possible high-voltage on the terminals associated with an unconnected CT.

The coils can handle large overloads safely, present excellent linearity over their operating range, and can be ordered in multiple lengths to accommodate different sized conductors.

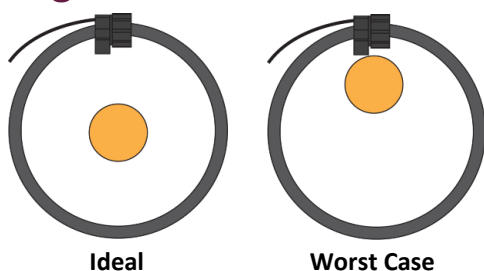
Electrical

Measurement Range	10 - 4000A AC
Accuracy	< 0.6%
Linearity	+/- 0.3%
Output	200mV @ 4000A 50Hz
Output Conductor	Two core, shielded
Frequency Range	25Hz - 5kHz

Mechanical and Environmental

Coil Material	Dual Wall Polyolefin Tubing
Fitting Material	ABS Plastic
Operational Temperature Range	-20°C to +70°C
Dielectric Strength	20kV Around coil
Coil Diameter	8.6mm
Cable Length	1m (Others available on request)

Positioning



The position of the conductor inside the coil will affect the accuracy. Deviation from the centre will at worst cause a maximum of 1% deviation when the conductor is placed near the cap of the coil.



Dimensions

Part No	Window Size	Length
W1	80mm	251mm
W2	130mm	448mm
W3	200mm	658mm
W4	290mm	940mm

Custom dimensions available on request.

Mounting Bracket

