aim dynamics

Automation & Monitoring Solutions.

ATR-120MV-UV Series

ATR-120MV-UV

The ATR-120MV-UV is Aim Dynamics' Thin Rogowski coil series designed for outdoor use. It has UV and IP68 protection and is listed per UL 2808. The ATR-120MV-UV outputs 120 mV per kA at 60 Hz, and 100 mV per kA at 50 Hz, yet is significantly thinner than similar Rogowski coils. The diameter of the coil is a mere 8 mm, making it much easier than other Rogowski coils to thread through crowded areas in a panel.

The coil cannot be damaged by large overloads, and can measure up to 100 kA! The coil is completely shielded and has temperature compensation built-in, making it more accurate than competing coils. Each unit is calibrated and test reports are available upon request.

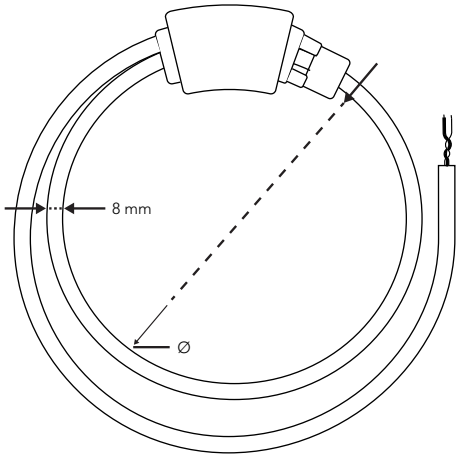
SPECIFICATIONS

Max Current	500 mA – 100 kA
Input Type	AC
Output @ 60 Hz	120 mV per kA
Output @ 50 Hz	100 mV per kA
Accuracy	Class 0.5-A1 per IEC 61869-10
Linearity	0.2%
Positioning Error	Better than 1% of reading
Coil Resistance	Between 70 and 900 Ω
Protection Degree	IP68
Working Voltage	1000 V CAT III 600V CAT IV Pollution Degree 3
Withstand Voltage	7400 Vrms / 1 min
Operating Temperature	-30 °C to 80 °C
Safety	UL 2808
Material	Thermoplastic UL94-V0
Coil Thickness	8.3 mm ±0.2 mm
Lead Type	5 meters of shielded 5 mm cable
Operating Frequency	40 to 14 kHz (3dB)
Mechanical Clasp Strength	77 N
Origin	Made in Italy

APPLICATIONS

- Power monitoring & control systems
- DC ripple measurement
- Harmonics and transients monitoring
- Wide range current monitoring
- Measuring devices, lab instrumentation
- Underground/wet applications
- Outdoor applications

PRODUCT DIMENSIONS



MODEL BUILDER

ATR-120MV – XX – UV

Diameter

XX: 04 = 4"
07 = 7"
11 = 11"