

VERSION 06

**RC-MINI-6-36****Flexible Rogowski coil fixed by cable ties**

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**RC-MINI-6-36** a MINI flexible current transducer based on Rogowski principle.

**COMMON FEATURES**

- Calibrated to 0.5%.
- 6mm section make more stable.
- Easy to fixed on bus-bar or cable by cable ties.
- Very competitive price.
- High linearity up to 1000 A.
- Wide dynamic range.
- Very useful with large size or awkward shaped conductors or in places with limited access.
- No danger from open-circuited secondary.
- Not damaged by large overloads.
- Non-intrusive, no power drawn from the main.

**TECHNICAL FEATURES**

<b>TRANSDUCER O.D (coil cross section)</b> 6mm	<b>WEIGHT</b> Approx 100 gr	<b>COIL RESISTANCE</b> from 100 to 300 $\Omega$ or 1.5k $\Omega$ 100A	<b>MAX CURRENT MEASURABLE</b> 100kA @ 50/60Hz
<b>LEAD LENGHT</b> 2m	<b>OUTPUT (CALIBRATED)</b> 50mV/kA@ 50Hz $\pm$ 0.5% or 60mV/kA@ 60Hz $\pm$ 0.5%	<b>READ ACCURACY</b> Calibrated <0.5% (central position, 25°C)	<b>TEMPERATURE DRIFT</b> 400 ppm/°C
<b>POSITION ERROR</b> $\pm$ 1% maximum	<b>OUTPUT on 0 A (zero drift)</b> $\leq$ 1mV	<b>PHASE ERROR</b> $\leq$ 0.5°	<b>LINEARITY</b> $\pm$ 0.2% of reading
<b>BANDWIDTH</b> 1Hz to 1MHz (-3dB)	<b>OPERATING TEMPERATURE</b> -30°C to 80°C	<b>STORAGE TEMPERATURE</b> -40°C to 90°C	<b>FREQUENCY RANGE</b> 20Hz... 5 KHz

**MATERIALS**

<b>COIL &amp; CABLE</b> Thermoplastic rubber flame retardant UL 94 V-0 rated	<b>COUPLINGS</b> PA6 UL 94 V-0	<b>SHIELDED</b> 100% coil, 100% output cable
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**SAFETY**

<b>STANDARDS</b> CE marked - Complies with EMC EN 61326-1 2006	<b>VOLTAGE INSULATION</b> COIL : 1000 V SIGNAL CABLE : 1000 V	<b>SAFETY</b> 1000V CAT III 600V CAT IV
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