

HIGH EFFICIENCY ROGOWSKI FLEXIBLE TRANSDUCERS

RC150 / RC190



Suitable for measuring currents from mA to hundreds of kA, the RC150 and RC190 line ensure high linearity, wide dynamic range and are very useful with large or irregularly shaped conductors. Lightness and flexibility make them optimal even in locations with reduced access.

The transducers do not present dangers for open secondaries and cannot be damaged by large overloads. The absence of a magnetic core gives this range a very wide frequency response. All these factors makes them particularly suitable for the measurement of harmonic or transient content.

The bayonet lock equipped with electronics ensures linear detection at any distance between the conductor and transducer, even if not perpendicular to each other.

TECHNICAL SPECIFICATIONS

GENERAL DATA

Reel length	From 25 to 180 cm (for the RC150 versions) From 30 to 180 cm (for the RC190 versions)
Reel diameter	From 8 ±0,2 mm to 57cm (RC150) From 12 ±0,2 mm to 57cm (RC190)
Cable length	3 m
Bayonet	Closure
IP67	Protection degree
Material	UL94-V0 Thermoplastic
Operational Temperature	-30..+80°C
Weight	from 150 to 500 g

ELECTRICAL SPECIFICATIONS

Output level (RMS)	100 mV / 1 kA @50 Hz (standard) (RC150) 333 mV / 1 kA @50 Hz (standard) (RC190)
Transducer resistance	70..900 Ω (RC150) 300..2.000 Ω (RC190)
Accuracy	Better than ±1% of reading (with a conductor diameter of 15 mm) across the entire diameter of the coil
Frequency	from approx. 40 Hz to 20 kHz
Work voltage	1.000 Vrms CAT III, 600 Vrms CAT IV, contamination degree 2
Voltage test	7.400 Vrms / 1 min

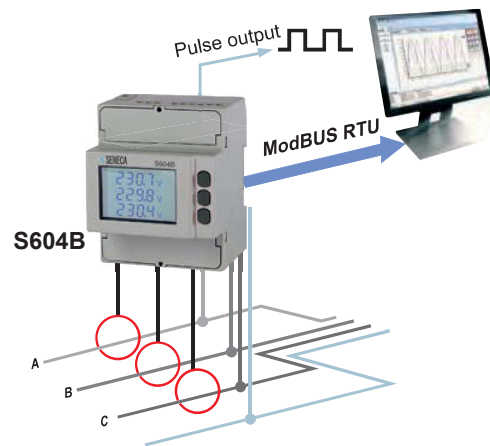
STANDARD

Certification	EC
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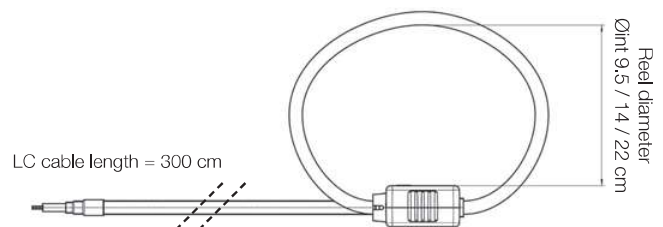
ORDER CODE

Code	Description
RC150-025-100-300	Rogowski translator with coil length 25cm, output 100mV/kA 50-60Hz, length, Cable 3 m
RC150-035-100-300	Rogowski translator with coil length 35cm, output 100mV/kA 50-60Hz, length, Cable 3 m
RC150-040-100-300	Rogowski translator with coil length 40cm, output 100mV/kA 50-60Hz, length, Cable 3 m
RC150-060-100-300	Rogowski translator with coil length 60cm, output 100mV/kA 50-60Hz, length, Cable 3 m
RC150-090-100-300	Rogowski translator with coil length 90cm, output 100mV/kA 50-60Hz, length, Cable 3 m
RC150-120-100-300	Rogowski translator with coil length 120cm, output 100mV/kA 50-60Hz, length, Cable 3 m
RC150-180-100-300	Rogowski translator with coil length 180cm, output 100mV/kA 50-60Hz, length, Cable 3 m
RC190-030-333-300	Rogowski translator with coil length 30cm, output 333mV/kA 50-60Hz, length, Cable 3 m
RC190-035-333-300	Rogowski translator with coil length 35cm, output 333mV/kA 50-60Hz, length, Cable 3 m
RC190-060-333-300	Rogowski translator with coil length 60cm, output 333mV/kA 50-60Hz, length, Cable 3 m
RC190-090-333-300	Rogowski translator with coil length 90cm, output 333mV/kA 50-60Hz, length, Cable 3 m
RC190-120-333-300	Rogowski translator with coil length 120cm, output 333mV/kA 50-60Hz, length, Cable 3 m
RC190-180-333-300	Rogowski translator with coil length 180cm, output 333mV/kA 50-60Hz, length, Cable 3 m

APPLICATION EXAMPLE



KIT / SPARE PARTS AND ACCESSORIES



S604E-ROG and S711EROG are supplied in KITS combined with 3 Rogowski coils available with 3 different circumferences (30, 45, 70 cm).

Kit / Coil length	Order coil	Øint (inner diameter)	Length cable
30 cm	S604B-ROG-MOD-30	9.5 cm	300 cm
	S604E-ROG-MOD-30		
	S604E-ROG-ETH-30		
45 cm	S604B-ROG-MOD-45	14 cm	300 cm
	S604E-ROG-MOD-45		
	S604E-ROG-ETH-45		
70 cm	S604B-ROG-MOD-70	22 cm	300 cm
	S604E-ROG-MOD-70		
	S604E-ROG-ETH-70		

The technical data and the diagrams in this document are indicative and not binding.