

Rogowski sensors

Flexible current sensors for integrator RAC-1A

from 100 to 5000 A

Current sensors



rac_003.eps

The solution for

- > Infrastructure & Transport
- > Industry
- > Buildings



Strong points

- > Excellent accuracy
- > Secure locking
- > Installation

Conformity to standards

- > IEC 60529



- > IEC 61869-10



- > UKCA

Associated products



RAC-1A

Compatible with

- > COUNTIS
- > DIRIS
- > COSYS

Function

RGW * flexible **current** sensors measure load currents and are particularly suitable for existing installations. RGW sensors have an extended measuring range of up to 5000 A as well as 6 aperture diameters to have the most suitable measurement solution for your needs. The measurement signal can be transmitted to meters and PMDs with 1 A input(s).

**only compatible with the addition of the RAC-1A integrator*

Advantages

Excellent accuracy

Thanks to its technology, the RGW flexible current sensor range boasts excellent linearity by reducing positioning error to 1%.

Secure locking

The locking system prevents loop opening and guarantees sensor function and accuracy even in harsh environments.

Installation

The RGW flexible current sensor range has been specially designed for existing installations with major integration constraints or high-intensity currents.

General characteristics

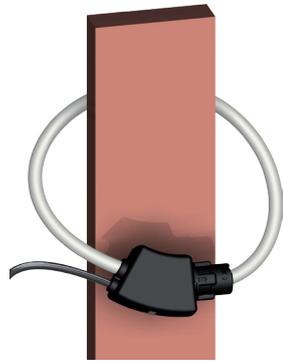
Used with DIRIS A-30, A-41, A-60, Q800, COUNTIS E4x, COSYS and ATyS C65.

Mounting

Cable mounting

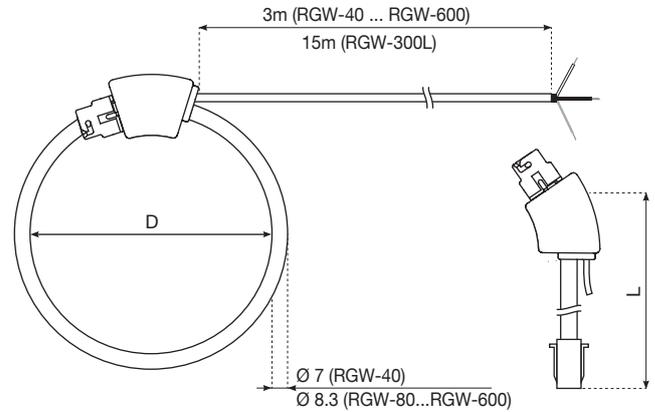


Bar mounting



Dimensions (mm)

RGW-40 and RGW-80 up to RGW-600



Characteristics

Model	RGW-40	RGW-80	RGW-120	RGW-200	RGW-300	RGW-600	RGW-300L
D = loop \varnothing (mm)	40	80	120	200	300	600	300
L = Loop length (mm)	126	251	377	628	942	1885	942
Weight (g)	114	130	142	162	193	274	350
Output cable length (m)	3						15
Nominal current range (A)	100...5000						
Real range covered (A)	5...6000						
Max. voltage	1000 V (Ph/Ph) / 600 V (Ph/N)						
Rated withstand voltage	3.6 kV						
Accuracy class	Class 1						
Frequency	50/60 Hz						
Measurement category	1000 V CAT III, 600 V CAT IV						
Ingress Protection rating	IP68			IP67			
Operating temperature	-40 ... +75 °C			-30 ... +80 °C			
Storage temperature	-40 ... +90 °C			-40 ... +80 °C			
Relative humidity	95% RH condensation-free						
Altitude	< 2000 m						
Connection	3 wires						

References

Model	Nominal current range (A) *	Real range covered (A)	D = loop \varnothing (mm)	L = Loop length (mm)	Reference
RGW-40	100...5000	5...6000	40	126	194S 0004
RGW-80			80	251	194S 0008
RGW-120			120	377	194S 0012
RGW-200			200	628	194S 0020
RGW-300			300	942	194S 0030
RGW-600			600	1885	194S 0060
RGW-300L			300	942	194S 0031

* nominal current set using the associated RAC-1A