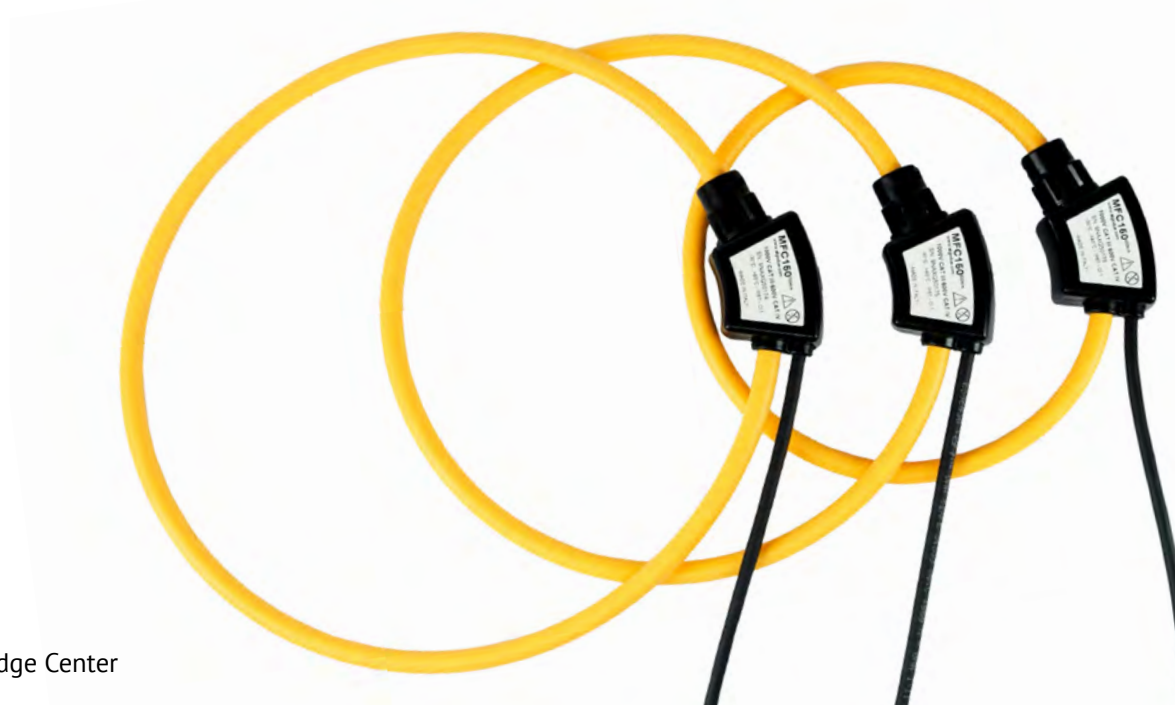


REPORT

# 3 KEY COMPETITIVE BENEFITS ABOUT ROGOWSKI COILS

(+ 2 extras)





# WELCOME!

This report is written for you:

- Installer
- Equipment maintenance manager
- Energy Manager
- Product Manager
- Professional Energy auditor
- Developer / R & D Manager
- Purchasing Department in the services and industry sector who deals with electricity metering in plants or civil and industrial instrumentation.

The purpose of this document is to give you useful information about:

- Increasing your sales / technical know-how
- Choosing in a faster way a measurement method more suited to your environment
- Speeding up interventions
- Reducing investment on equipments
- Increasing profit margin on interventions

Here you'll find valuable information on a product that in many contexts **improves the speed of the electric energy measurements** maintaining a **good degree of accuracy** and with a **unique versatility** in its kind.

We are talking about **ROGOWSKI COILS**, a technology known for many years but still unfamiliar and perhaps still not frequently applied.

We Algodue Elettronica are among **the few global manufacturers**, and **probably the only one to handle as the OWNER of the entire production workflow, from design to market.**

As we are aware that **an informed market is a market that multiplies the business opportunities**, we have prepared a simple and effective report containing the main benefits of this product.

Specifically we want to share with you:

## The 3 KEY COMPETITIVE BENEFITS ABOUT ROGOWSKI COILS

### + 2 EXTRA (AND INCREDIBLE) BENEFITS CONCERNING ONLY THE COILS DESIGNED AND MANUFACTURED BY ALGODUE

If you are interested in **improving the performance and profitability** of your work and acquire strategic information, this report is for you.

Our motto:

**More information → wider competitiveness → higher turnover**

**Enjoy the reading!**

*DISCLAIMER: This report has no specific technical purposes but purely informative.*

*For any technical or commercial information contact your area sales contact Barbara Sacco (see the document below).*



# LET'S START FROM THE BEGINNING...

## WHAT ARE ROGOWSKI COILS?

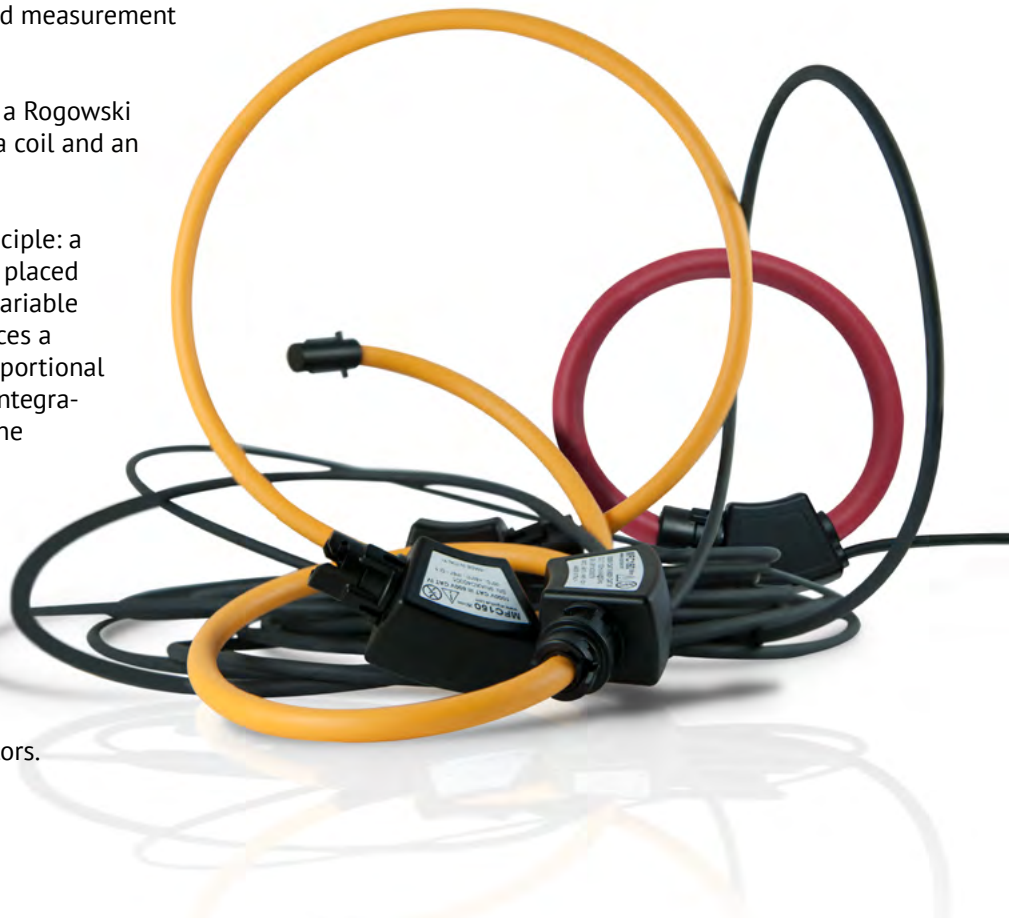
Rogowski coils are used for the detection and measurement of the electric current.

A measuring system of the current based on a Rogowski sensor is constituted by the combination of a coil and an integrator.

The operation is based on a very simple principle: a coil without magnetic core, toroid shaped, is placed around the current carrying conductor; the variable magnetic field produced by the current induces a voltage in the coil. The output voltage is proportional to the variation of the current and, after an integrator circuit, is proportional to the current of the same value.

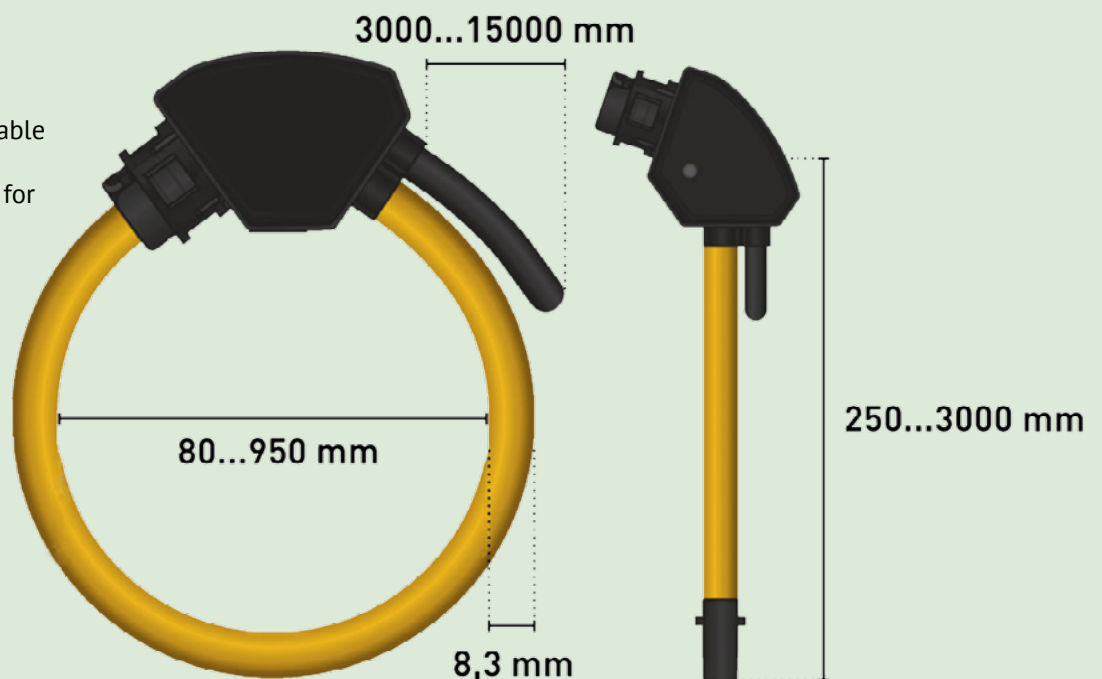
Using precision winding techniques, developed especially for this purpose, the coils are produced so that the output value is not influenced by the current position of the conductor inside the toroid.

Proper wrapping technique also ensures insensitivity to the interference generated by the external magnetic field produced, for example, by neighboring current conductors.



### A FEW NUMBERS:

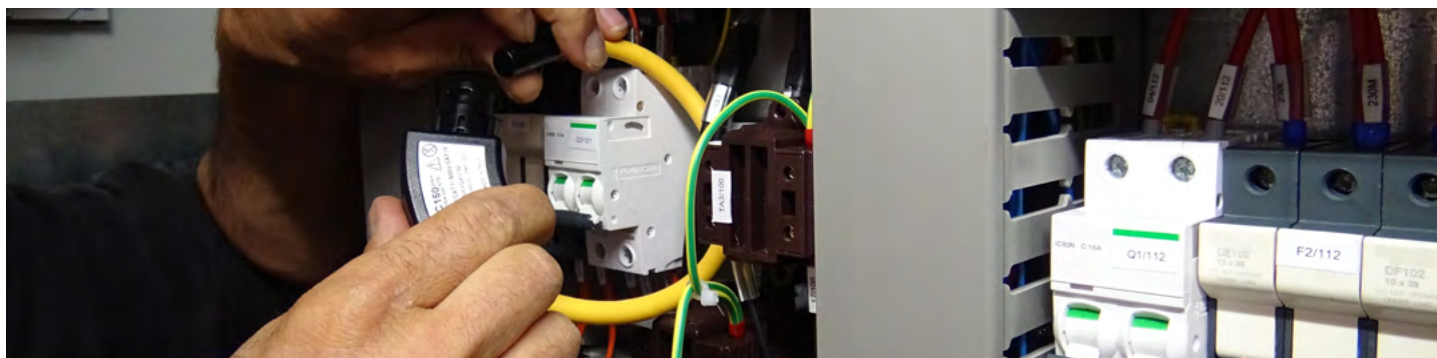
Coils on the market have a variable length from 25 cm to 3 meters (Up to 4 meters and even more for special applications for those produced in Algodue) and an average cross section of 8 mm.



# THE KEY FEATURES OF ALL COILS



**A** Installation in one click

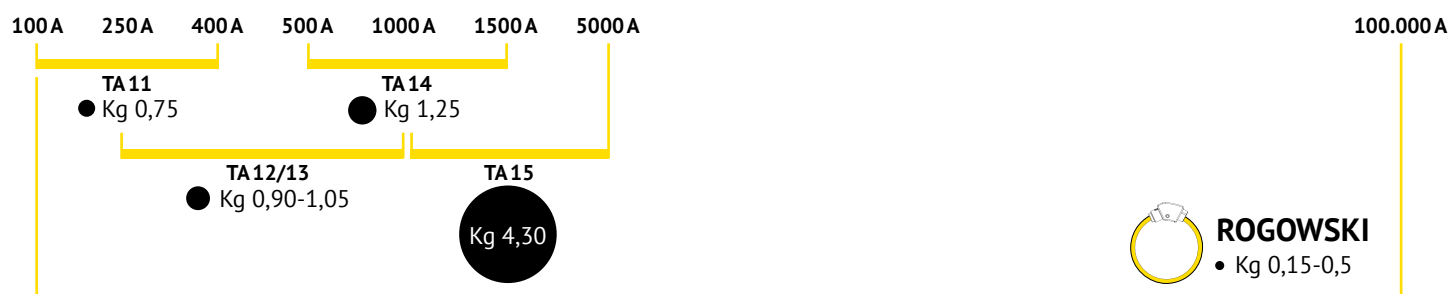


**B** Minimum size: diameter 6mm



**C** Installation without interruption of plant

## CT VS ROGOWSKI COILS



**D** Virtually unlimited measurement full scale

# THE THREE FUNDAMENTAL BENEFITS

## 1 REDUCTION OF INTERVENTION TIMES TO LESS THAN 1/6 OF THE TIME!

## 2 POSSIBILITY OF INTERVENTION IN SITUATIONS WHERE IT IS IMPOSSIBLE OR NOT DESIRABLE TO DISCONNECT THE POWER (hospitals, public lines, etc)



## 3 REDUCTION FROM 10 TO 30% \* OF THE PURCHASE, SHIPPING AND STOCKING COSTS

WITH A SINGLE AND UNIQUE TYPE OF PRODUCT YOU CAN COVER WIDE MEASUREMENT RANGE

\*calculation based on an application over 1000A





# BUT IT IS NOT OVER... !

There are **TWO EXCEPTIONAL BENEFITS** WHICH CONCERN ONLY COILS DESIGNED AND PRODUCED BY ALGODUE

## ➔ The 2 OUTSTANDING BENEFITS RESERVED FOR ALGODUE COILS USERS

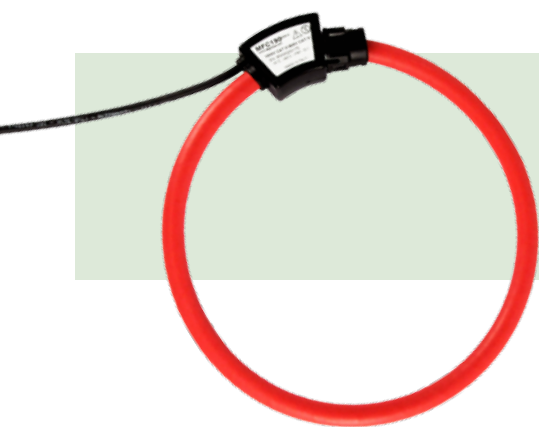
As **OWNERS** of the entire production workflow, from design to commissioning on the market, at our R & D center were created:

### ➔ READY- TO- USE SMART KIT

The coils are combined with meters and network analyzers to create **a universal measuring kit in two models, with a unique and simplified programming**, ready to measure in just one click.

### ➔ ADVANCED CUSTOMIZATIONS BASED ON SPECIFIC REQUIREMENTS

Examples: ad hoc calibration for third party circuits, output values higher than the standard ones (as our MFC190: it was born as a special project, and now it is sold in the catalog), manufacturing with a specific number of windings per meter for special application.



#### COIL MFC190:

|                    |                      |
|--------------------|----------------------|
| Length:            | 300 to 3000 mm       |
| Internal Diameter: | from ~ 100 to 960 mm |
| Rope diameter:     | 12.4 ± 0.2 mm        |
| Weight:            | 150 to 500 g         |

# AND HERE ARE THE

## 2 ALGODUE BENEFITS



### 1 SAVE TIME AND MONEY

- **Single Contact**  
Stop to the slow comparison process and complicated multiple management: so you can have a single support service and a single technical and commercial even multilingual contact.
- **Great Savings**  
Saving from 20 to 40% compared to the purchase of separate parts. Purchasing the Algodue kit is convenient, because it includes a new advanced device, covered by warranty and which can be connected directly with Rogowski Coils and therefore the signal integrator becomes useless.

### 2 BECOME MORE COMPETITIVE



- You can make **your business proposal more attractive and interesting**.
- You can **expand your potential market**.

#### Did you like this report?

If you have comments or suggestions we will glad to get them.

Write them to [sales@algodue.it](mailto:sales@algodue.it)

Do you think it could be of interest to anyone else?

#### Share

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#### Per info



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