

**PRIMATA**  
Tecnologia Eletrônica

## Technical Specifications

# P62

## Flexible Current Sensor

**Current Transformer – CT – Rogowski Coil**

**Diameter: Ø270 mm**



## Presentation

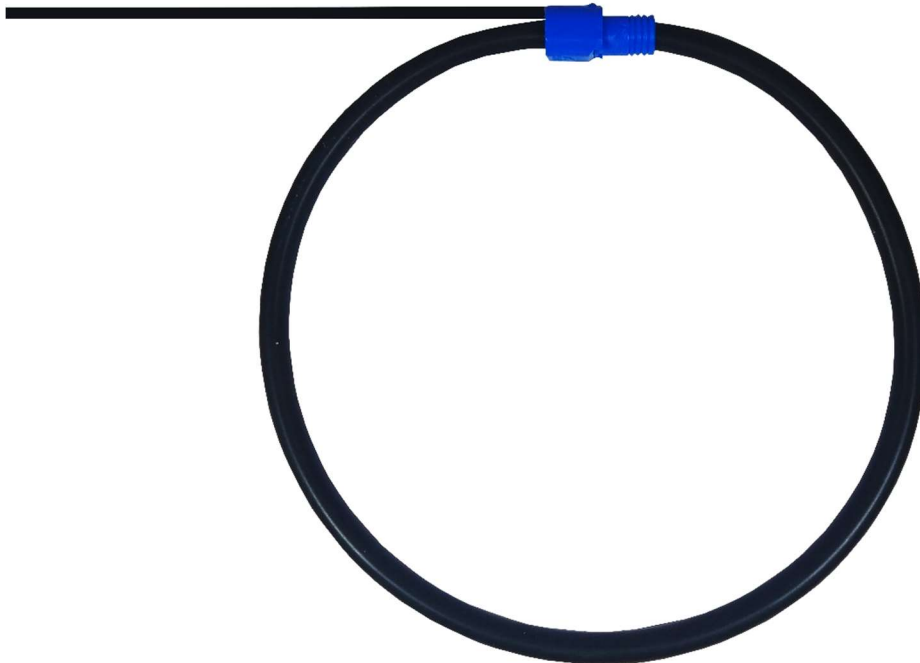
The **Flexible Current Sensor P62 – CT – Diameter Ø270 mm** is a high performance and very low error current transformer. Designed by **PRIMATA ELECTRÔNICA** to serve all meters, loggers and energy analyzers on the market, the sensor is based on the working principle of the **Rogowski Coil**.

Weatherproof, robust and with easy opening and closing system, the **Flexible Current Sensor P62** is designed to provide the following output signal:

- ✓  $V_{ORMS}$  in 1000A x 60Hz: 100mV.

The cable can be sized with length and connector as needed.

The **Flexible Current Sensor P62** can be supplied with **Amplifier / Integrator System**, also weatherproof, to raise the output signal to **1V** (other values upon request). This system has input channels that allow the use of up to 4 sensors.



## Applications

- ✓ Power quality measurement and monitoring;
- ✓ Industrial and residential load analysis;
- ✓ Waveform analysis;
- ✓ Automation and control;

## Opening / Closing System and Installation

To open the **Flexible Current Sensor P62**, just slide the smaller connector towards the center of the coil (to close it, just slide it in the opposite direction), without having to press or pull the connectors. The arrow on the larger connector is related to the direction of the current flow and indicates that the sensor should be installed so that it points the direction of the source to the load.

## Main Features

|                                     |                                       |
|-------------------------------------|---------------------------------------|
| Insulation Voltage                  | 1000V (CAT III)                       |
| Output Voltage (V <sub>ORMS</sub> ) | 100mV (in 1000A x 60Hz)               |
| Frequency Range                     | 30Hz to 3kHz                          |
| Accuracy                            | ± 0.6%                                |
| Phase Error                         | ± 1.0°                                |
| Phase Offset                        | 90°                                   |
| Operating Temperature               | -10 to 60 °C                          |
| Internal Diameter                   | Ø270 mm                               |
| Weight (with 2.0 m cable)           | 250 g                                 |
| Protection against UV Rays          | Yes                                   |
| Degree of Protection                | IP 65                                 |
| Amplifier / Integrator System       | 1V output (other values upon request) |
| Input Channels                      | Up to 4 flexible sensors              |
| Dimensions                          | 46 x 70 x 100 mm                      |
| Degree of Protection                | IP 65                                 |

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PRIMATA ELETRÔNICA products are in constant improvement. Therefore, the technical specifications contained in this material may be changed without previous notice. Check our website for possible updates.



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Page 3 of 3