The DMG611R... kits are multimeters that, by reading the current through Rogowski coils, are the ideal solution for the installation of measuring points on systems where the classic solid-core or split-core CTs are inapplicable or too expensive. The included calibration ratio is specific to each individual kit to guarantee measurement accuracy.

MEASUREMENTS
- voltage, current, frequency
- active, reactive and apparent power
- power factor
- high, low and average value for all measurements
- maximum demand of power and current values
- voltage and current asymmetry
- unbalancing active power
- total harmonic distortion (THD) and harmonic analysis of voltage and current up to the 15th order
- energy meters for active, reactive and apparent values
- hour counter.

SELECTION GUIDE

OPERATIONAL CHARACTERISTICS

VOLTAGE INPUTS
- auxiliary supply rated voltage: 100...440VAC/110...250VDC
- measurement range: 50...720VAC L-L

CURRENT INPUTS
- maximum current I_max: 100A, 500A, 3000A, 6300A
- measurement range: 10...100% I_max (DMG 611 R0100) 5...100% I_max (DMG 611 R0500...R6300)
- input type: Rogowski coils
- measure type: true RMS measurements (TRMS)

MEASUREMENT ACCURACY
- current: ±0,5% (centered cable) ±1% (cable near the coil)
- voltage: ±0,5% (50...720VAC)
- active power: ±1%
- active energy: ±1%

ROGOWSKI COILS CONNECTION
- type of terminals: removable, 2-level push-in

CERTIFICATIONS AND COMPLIANCE
Certiﬁcations obtained: EAC.
DIGITAL MULTIMETERS WITH ROGOWSKI COILS

ORDER CODE | DESCRIPTION
---|---
DMG 611 R 0100 | Multimeter with backlight icon LCD, harmonic analysis, auxiliary supply 100...440VAC/110...250VDC, built-in RS485 serial port, multilanguage. Current reading through 3 Rogowski coils included, max current 100A. Ø50mm. 2mt cable length

ACCESSORIES

ORDER CODE | DESCRIPTION
---|---
EXP10 00 | 4 opto-isolated digital inputs
EXP10 01 | 4 opto-isolated static outputs
EXP10 02 | 2 digital inputs and 2 static outputs, opto-isolated
EXP10 03 | 2 relay outputs rated 5A 250VAC
EXP10 08 | 2 opto-isolated digital inputs and 2 relay outputs rated 5A 250VAC

SOFTWARE

- **Sapp1** app for Android and iOS smart devices;
- **Xpress** for configuration and remote control via PC;
- **Synergy** and **Synergy** for supervision and energy management.

DIMENSIONS [mm]

![Dimensions Diagram]

ITALIAN, ENGLISH, FRENCH, SPANISH, PORTUGUESE, GERMAN.
The products described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in the leaflet are to be considered as purely illustrative, and consequently have no contractual relevance. Remember also that the products themselves must be used by qualified personnel, in compliance with current plant engineering and installation standards, in order to avoid injury to persons or damage to property.