





The **DMG** range of digital multimeters are capable of viewing electrical measurements with high accuracy permitting complete control of distribution networks. The meters feature an extended power supply voltage range, high measurement accuracy, expendability and a graphic interactive interface for simple use.

Main measurement functions include: True RMS measurements of voltage and current values

- HIGH-LOW-AVERAGE value functions for all measurements
- Maximum demand of power and current values
- Energy meters for active, reactive, apparent partial and total values
- Hour counter for programmable total and partial hours

Current input:
 CT - 1A or 5A

• Power: apparent/active/reactive: ±1% f.s. - phase and total values

• Frequency measurement range 45...66Hz: ±0.05%

Harmonic distortion (THD) Voltage and Current:
 Up to the 15° order

Active energy: Class 1 (IEC/EN 62053-21)
 Reactive energy: Class 2 (IEC/EN 62053-23)

P.F. Power Factor (per phase and total):
 ±0.5%



type RS485 optical description expansion serial port port description

DMG500 - "Econo" multi measurement instrument with backlit LCD icon display

Auxiliary power supply: 100...240 VAC Voltage measurement range: 480 VAC (50/60 Hz)

DMG500 no no "econo" digital p/mount power analyser DMG510 yes no "econo" digital p/mount power analyser -

DMG600 - Multi measurement instrument with backlit LCD icon display

As above DMG 500 but with following additional features:

Auxiliary power supply: 100...440 VAC / 110...250 VDC

Voltage measurement: 50...720 VAC L-L

Active energy: DMG600\610 - Class 1 \ DMG615 - Class 0.5

DMG600noyesdigital panel mount power analyser1DMG610yesyesdigital panel mount power analyser1DMG615yesyesdigital panel mount power analyser1

DMG611 - supplied with calibrated Rogowski coils

Current reading through 3 Rogowski coils (included)

Measurement range: 5...100% Imax

DMG611R0500★ yes yes yes 25...500A power analyser with Rogowski coils 1
DMG611R3000★ yes yes 100...3000A power analyser with Rogowski coils 1

* Accepts EXP... (up to 1) plug-in expansion modules

DMG700 - "Mid-range" multi measurement instrument with backlit LCD icon display

As above DMG 600 but with following additional features:

Wide graphic LCD display

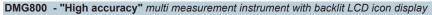
Auxiliary power supply: 100...440 VAC / 110...250 VDC

Voltage measurement: 20 - 830 VAC L-L

Pulse counter for general use: consumption pulse counting for water, gas, etc., (with expansion module)

DMG700* no digital panel mount power analyser 4

* Accepts **EXP...** (up to 4) plug-in expansion modules



As above **DMG 700** but with following additional features:

Auxiliary power supply: 100...440 VAC/110...250 VDC (12-24-48 VDC for **DMG800D048**)

Harmonic analysis Up to the 31° order (voltage and current)

Accuracy: Voltage: ±0.2% (50...830 VAC)

Current: ±0.2% (0.1...1.1ln)
Power: ±0.5% f.s,
Power factor: ±0.5%

Frequency: ±0.05%

Active energy: Class 0.5s (IEC/EN 62053-22)

Reactive energy: Class 2 (IEC/EN 62053-23)

DMG800nonodigital panel mount power analyser4DMG800D048nono(as above but with 9 - 70 VDC supply)4



