

new



DMG500

new



Rogowski coils



DMG611...



DMG700



DMG800

Flush mounting digital metering instruments (96 x 96 mm)

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^o 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 serial port	optical port	description	expansion slots
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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

DMG600	no	yes	digital panel mount power analyser	1
DMG610	yes	yes	digital panel mount power analyser	1
DMG615	yes	yes	digital panel mount power analyser	1

DMG611 - supplied with calibrated Rogowski coils

- Current reading through 3 Rogowski coils (*included*)
- Measurement range: 5...100% I_{max}

DMG611R0500*	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	no	digital panel mount power analyser	4
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* Accepts **EXP...** (up to 4) plug-in expansion modules

DMG800 - "High accuracy" multi measurement instrument with backlit LCD icon display

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^o order (*voltage and current*)

Accuracy: Voltage: ±0.2% (50...830 VAC)
Current: ±0.2% (0.1...1.1In)
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)

DMG800	no	no	digital panel mount power analyser	4
DMG800D048	no	no	(as above but with 9 - 70 VDC supply)	4