



DMG100



DMG200



DMG300



EXM1001



EXM1010

DMG series digital multimeters and power analysers are equipped with a digital LCD display providing extremely clear, intuitive and flexible viewing of all electrical parameters in an installation. DMG digital multimeters in a modular housing (*4 modules wide*).

- Modular DIN rail mounting (*aligns with standard MCB 45 mm cutout*)
- Accuracy:

Voltage/Current:	±0.5%	(<i>True RMS measurements</i>)
Power:	±1%	f.s.
Frequency:	±0.05%	
Active energy:	Class 1	(IEC/EN 62053-21)
Reactive energy:	Class 2	(IEC/EN 62053-23)

Main measurements:

- Voltage: phase, line and system values
- Current: phase values (*neutral current calculated*)
- Power: apparent, active and reactive phase and total values
- Power Factor (PF) per phase and total
- Frequency of measured voltage value
- HIGH-LOW-AVERAGE value functions of all measurements
- Maximum demand of power and current values
- Asymmetric voltage and current
- Energy meters for active, reactive and apparent values
- Bidirectional (*import and export of active reactive energy*)

type	description	module width x 18 mm								
DMG100 series - LCD multimeters <i>economical with icon LCD display</i>										
	<ul style="list-style-type: none"> • Auxiliary power supply: 100 - 240 VAC / 120 - 250 VDC • Input current: CT - 1A or 5A • Voltage measurement: 50 - 720 VAC L-L • Harmonic analysis of V and I up to the 15th order 									
DMG100	modular power analyser	4								
DMG110	modular power analyser with RS485 interface	4								
DMG200 series - LCD multimeters <i>with graphic backlight LCD display</i>										
	<p><i>As above DMG 100 but with following additional features:</i></p> <ul style="list-style-type: none"> • Input current: CT - 5A • Voltage measurement: 20 - 830 VAC L-L 									
DMG200	modular power analyser	4								
DMG210	modular power analyser with RS485 interface	4								
DMG300 series (expandable) <i>with graphic backlight LCD display</i>										
	<p><i>As above DMG 200 but with following additional features:</i></p> <ul style="list-style-type: none"> • Input current: CT - 1A or 5A • Voltage measurement: 20 - 830 VAC L-L / 10-480 VAC L-N • Optional communication ports: USB, RS232, RS485, Ethernet • Harmonic analysis of voltage and current up to the 31° order • Energy meters for active, reactive, apparent power with programmable tariff function <table style="margin-left: 20px; border: none;"> <tr> <td>Accuracy: Voltage/current</td> <td>±0.2%</td> </tr> <tr> <td>Power/power factor</td> <td>±0.5%</td> </tr> <tr> <td>Frequency</td> <td>±0.05%</td> </tr> <tr> <td>Active energy</td> <td>class 0.5S (IEC/EN 62053-22)</td> </tr> </table>	Accuracy: Voltage/current	±0.2%	Power/power factor	±0.5%	Frequency	±0.05%	Active energy	class 0.5S (IEC/EN 62053-22)	
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DMG300*	modular power analyser	4								
	<i>* Accepts EXM...(up to 3) plug-in optic expansion modules</i>									
Expansion modules and accessories for DMG300										
EXM8004	sealable terminal cover for DMG100/110/200/210/300	2								
EXM1001	2 opto-isolated digital inputs and 2 relay outputs (5A 250 VAC)	2								
EXM1010	opto-isolated USB interface	2								
EXM1012	opto-isolated RS485 interface	2								
EXM1013	opto-isolated Ethernet interface	2								
EXM1020	opto-isolated RS485 interface and 2 relay outputs (5A 250 VAC)	2								
EXM1030	data storage, clock-calendar (RTC) with backup for event logging	2								