



DMG900



DMG900T



DMG900RD



EXP1004



EXP1015

Flush mounting expandable digital multimeters (96 x 96 mm)

- Graphic touch-screen LCD display for extremely simple interaction
- Rear expansion slots accept plug-in modules suitable for numerous applications
- True RMS measurements of voltage and current values

Main measurements and functions :

- Voltage: phase, phase-neutral and ground neutral-earth
- Current: phase values
- Neutral current calculated and true values
- Power: apparent, active and reactive phase and total values
- P.F. Power Factor per phase and total
- Cosφ per phase
- Frequency of measured voltage value
- Voltage and current asymmetry
- Total harmonic distortion (THD) of voltage and current
- Harmonic analysis of voltage and current up to the 63° order
- HIGH-LOW-AVERAGE value functions for all measurements
- Maximum demand of power and current values
- Energy meters with programmable tariff functions
- Hour counter for programmable total and partial hours
- Pulse counter for consumption of water, gas, etc. (only with expansion module)
- Energy quality analysis to EN 50160 (only with expansion module)

type	description	expansion slots
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DMG900 series *Graphic touch-screen LCD display*

- Auxiliary power supply: 100 - 440 VAC /110 - 250 VDC
- Input current: CT - 1A or 5A
- Voltage measurement: 20 - 830 VAC L-L / 10 - 480 VAC L-N
- Accuracy:
 - voltage/current ±0.2%
 - power/power factor ±0.5% f.s.
 - frequency ±0.05%
 - active energy Class 0.5S (IEC/EN 62053-22)
 - reactive energy: Class 2 (IEC/EN 62053-23)

DMG900	panel mount power analyser	4
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DMG900T series *DIN rail mount measurement transducer (expandable)*

DIN rail mounting measurement transducer for chassis mounting, incorporating 4 expansion slots to accommodate expansion modules for added I/O's or communication requirements.

DMG900T	panel mount power analyser (without screen)	4
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DMG900RD	remote panel mount (96 x 96 mm) touch screen display for above DMG900T	
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Expansion modules and accessories for DMG600/700/800/900

Inputs and outputs

- EXP1000** 4 digital opto-isolated inputs
- EXP1001** 4 static opto-isolated outputs
- EXP1002** 2 digital inputs and 2 static outputs, opto-isolated
- EXP1003** 2 output relays (5A 250 VAC)
- EXP1004** 2 analog opto-isolated inputs 0/4 -20mA or 0-5/10V (only for **DMG800/900**)
- EXP1005** 2 analog opto-isolated outputs 0/4 -20mA or 0-5/10V (only for **DMG800/900**)

Communication ports

- EXP1010** opto-isolated USB interface
- EXP1011** opto-isolated RS232 interface
- EXP1012** opto-isolated RS485 interface
- EXP1013** opto-isolated Ethernet interface
- EXP1014** opto-isolated Profibus-DP interface (only for **DMG800/900**)
- EXP1015** GPRS/GSM modem without antenna (only for **DMG900**)
- EXP1030** data storage, clock-calendar \ backup for data logging (only for **DMG800/900**)
- EXP1031** as above with energy quality (EN 50160) (only for **DMG900/900T**)

Software and accessories for DMG300/700/800/900

- C2** PC - RS232 connecting cable (1.8m)
- CX03** GSM Quad-band antenna for **EXP1015** (850/900/1800/1900/2100MHz)