

VERKKOANALYSAATTORI PANEELIASENNUKSEEN

DMG7000, DMG7500, DMG8000, DMG9000

DMG7000

Verkkoanalyysaattori, LCD-näyttö, laajennettavissa

- 4,3" värillinen LCD-näyttö
- Monipuoliset väylävaihtoehdot
- Laajennettavissa esim. I/O moduulein
- NFC-ohjelmointi
- Yhteensopivat Easy Branch järjestelmän kanssa



TUOTEKUVAUS

	DMG7000	DMG7500	DMG8000	DMG9000
RS485-portti	-	•	-	•
Ethernet-portti	-	-	•	•
Ethernet-RS485 gateway toiminto	+ EXP1012 + EXP1013	+ EXP1013	+ EXP1012	•
Sisäinen muisti	-	-	•	•
EN50160 yhteensopivuus	-	-	-	•
4 virtamuuntajatuloa, mahdollistaa nollavirran mittaamisen	-	-	-	•
5 sisääntuloa jännitteelle, N-PE jännitteen mittaus	-	-	-	•
EASY BRANCH-yhteensopivuus	-	•	•	•

TEKNISET TIEDOT


Asennus	Paneeliasennus
EASY BRANCH -yhteensopiva	Ei
Etupaneelin IP-luokka	IP65
Hyväksynät	CSA C22.2-N°14, EN61000-6-2, EN61000-6-3, EN61010-1, UL 508
Laajennettavuus	Kyllä
Laajennusmodulien maksimimäärä	3 kpl
Liittimien IP-luokka	IP20
Max. käyttölämpötila	60 °C

Max. syöttöjännite AC	264 V AC
Max. syöttöjännite DC	300 V DC
Max. taajuus	360 Hz
Max. varastointilämpötila	80 °C
Min. käyttölämpötila	-20 °C
Min. syöttöjännite AC	90 V AC
Min. syöttöjännite DC	100 V DC
Min. taajuus	45 Hz
Min. varastointilämpötila	-30 °C
Mittattava suure	True RMS
Mittaustarkeus (L-L)	±0,2 % (80...830 V AC)
Mittaustarkeus (L-N)	±0,2 % (50...480 V AC)
Paino	0,412 kg
Tehonkulutus	6 W
Virrankulutus	15 VA

POWER ANALYZERS WITH WIDESCREEN COLOUR LCD DMG SERIES



- WIDESCREEN COLOR LCD**
The large size of the color LCD (4.3") allows for the optimal view of measures and parameters in a clear, simple and intuitive way. The standard cabinet dimensions (60x60mm) ensures a perfect compatibility with the usual front panel solutions.
- 10 LANGUAGES**
The language shown can be selected from a large number of choices: English, French, German, Italian, Spanish, Portuguese, Polish, Russian, Czech, Chinese.
- PROGRAMMABLE LEDs**
3 front LEDs are programmable and let the user know the status of the device at any time: alarm programmed by the user, status of digital inputs or outputs, emission of pulses indicating energy consumption, communication in progress.
- HIGH ACCURACY LEVEL FOR MEASUREMENTS**
The measurements are verified according to the international standards for measuring instruments: EC 62053-22 class 0.5s, EC 62053-24 class 1 and EC 61557-12 class 0.5.
- PLC LOGIC**
Thanks to the built-in PLC logic, the power analyzer can perform simple automations related to limits and alarm status and digital outputs. Programming with "Ladder" is simple and intuitive thanks to the use of XCP/CS configuration software.
- NFC CONFIGURATION**
Thanks to NFC technology, it is possible to configure and modify parameters even when the device is not powered through the LON470 App, which can be downloaded for free from the Google Play Store and App Store for Android and iOS smart devices.

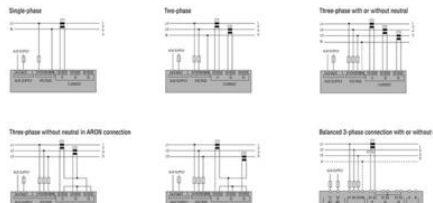


- EXPANDABILITY**
Thanks to the up to 8 EXP+ series expansion modules (additional inputs, outputs and communication ports).
- INTEGRATION WITH SIGNALS FROM THE FIELD**
Thanks to the EXP+ expansion modules it is possible to use digital and analog inputs by which field measurements such as gas or water consumption, tank levels, temperature, pressure and much more are integrated into the data collection in order to obtain a complete energy management.
- OPTICAL PORT**
The optical port compatible with the communication device OX11 and OX2 is available and allows, thanks to XCP/CS software, the parameter configuration, the electrical network diagnosis and the firmware update of the power analyzer.
- DEGREE OF PROTECTION: IP65**
Possibility of use in harsh environments thanks to the gasket on the back which guarantees the IP65 degree of protection.
- COMMUNICATION**
Availability of modules with built-in RS485 and Ethernet communication ports.
- EASY BRANCH POWER MONITORING SYSTEM**
Thanks to the LCC+ module, a simplified and very fast wiring can be achieved in panels where it is necessary to read the electrical parameters of different loads, drastically reducing the costs and the installation times.

	DMG7000	DMG7500	DMG8000	DMG9000
Built-in RS485 port	—	—	—	—
Built-in Ethernet port (with web-server)	—	—	—	—
Ethernet RS485-gateway function	+ EXP1012 + EXP1013	+ EXP1013	+ EXP1012	—
Memory for data collection	—	—	—	—
Statistics of network quality according to EN50160	—	—	—	—
Neutral current measurement through dedicated CT	—	—	—	—
Neutral Earth voltage measurement	—	—	—	—
Compatibility with EASY BRANCH power monitoring system	—	—	—	—

EVERYTHING UNDER CONTROL!

- MEASUREMENTS**
DMG power analyzers display all the measurements useful for a complete check of the electrical network. The voltage measurement input does not require external transformers up to 600VAC.
- CHARTS AND HARMONICS**
The electrical measurements are shown with waveform charts, 2D/3D diagrams and representations of the harmonic spectrum up to the 43rd order which is a useful tool to better understand the state of the system.
- STATISTICS**
The DMG2000 model also provides statistics on the quality of the network according to the EN50160 standard: class C - Voltage dips, sags, interruptions, low frequency noise and fault transients.

CODE	MAX SUPPLY VOLTAGE (VAC)	MAX CURRENT (A)
DMG7000	264	10
DMG7500	264	10
DMG8000	264	10
DMG9000	264	10

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EXPANDABILITY

Thanks to up to 8 DSP, seven expansion modules (optional inputs, outputs and communication ports).

INTEGRATION WITH SIGNALS FROM THE FIELD

Thanks to the DSP, expansion modules it is possible to use digital and analog inputs to which field measurements such as gas or water consumption, tank levels, temperature, pressure and much more are integrated into the data collection in order to obtain a complete energy management.

OPTICAL PORT

The optical port compatible with the communication devices DSI1 and DSI2 is available and allows, thanks to Xpert software, the parameter configuration, the electrical network diagnostics and the firmware update of the power analyzer.



DEGREE OF PROTECTION: IP65

Possibility of use in harsh environments thanks to the gasket on the back which guarantees the IP65 degree of protection.

COMMUNICATION

Availability of models with built-in RS485 and Ethernet communication ports.

EASY BRANCH POWER MONITORING SYSTEM

Thanks to the EAS... module, a simplified and very fast wiring can be achieved in panels where it is necessary to read the electrical parameters of different loads, drastically reducing the costs and the installation times.



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Built-in RS485 port	—	●	—	●
Built-in Ethernet port (with web-server)	—	—	—	●
Ethernet RS485 gateway function	+ EXP1012 + EXP1013	+ EXP1013	+ EXP1012	—
Memory for data collection	—	—	●	●
Statistics of network quality according to IEC61850	—	—	—	●
Neutral current measurement through dedicated CT	—	—	—	●
Neutral Earth voltage measurement	—	—	—	●
Compatibility with EASY BRANCH power monitoring system	—	●	—	●

EVERYTHING UNDER CONTROL!

MEASUREMENTS

DMG power analyser display all the measurements updated by a constant check of the electrical network. The voltage measurement input does not require external transformers up to 600VAC.

CHARTS AND HARMONICS

The electrical measurements are shown with waveform charts, polar diagrams and representations of the harmonic spectrum up to the 31st order which is a useful tool to better understand the state of the system.

STATISTICS

The DMG2000 model also provides statistics on the quality of the network according to the EN50160 standard - class C - (voltage dips, overvoltages, interruptions, low frequency noise and much more).

