

DMG8000 POWER ANALYZER WITH WIDESCREEN COLOUR LCD. AUXILIARY SUPPLY 100...240VAC. EXPANDABLE WITH 3 EXP... MODULES, BUILT-IN ETHERNET PORT, DATA MEMORY FOR LOGGING, COMPATIBLE WITH EASY BRANCH POWER MONITORING SYSTEM



Product designation			Panel m. color glcd mult.,
rioduci designation			Ethernet
Product type designation			DMG8000
Туре			Three-phase +
			neutral
Auxiliary supply Us		140	400 040
Auxiliary rated supply voltage AC		VAC	100240
Auxiliary rated supply voltage DC		VDC	110250
Auxiliary operating voltage range			
AC	_		
	min	VAC	90
	Max	VAC	264
DC			
	min	VDC	100
	Max	VDC	300
Operational frequency			
	min	Hz	45
	max	Hz	66
Power consumption			
	Max	VA	15
Power dissipation Max		W	6
· ·		vv	0
Measuring voltage inputs		VV	0
· ·			
Measuring voltage inputs	phase-phase	VAC	600
Measuring voltage inputs	phase-phase phase-neutral		
Measuring voltage inputs		VAC	600
Measuring voltage inputs Rated voltage (Ue)		VAC	600
Measuring voltage inputs Rated voltage (Ue)	phase-neutral	VAC VAC	600 347
Measuring voltage inputs Rated voltage (Ue)	phase-neutral phase-phase	VAC VAC VAC	600 347 40830
Measuring voltage inputs Rated voltage (Ue) Operating voltage range	phase-neutral phase-phase	VAC VAC VAC	600 347 40830
Measuring voltage inputs Rated voltage (Ue) Operating voltage range	phase-neutral phase-phase phase-neutral	VAC VAC VAC VAC	600 347 40830 5480
Measuring voltage inputs Rated voltage (Ue) Operating voltage range	phase-neutral phase-phase phase-neutral min	VAC VAC VAC VAC Hz	600 347 40830 5480 45 and 360
Measuring voltage inputs Rated voltage (Ue) Operating voltage range Voltage inputs operational frequency	phase-neutral phase-phase phase-neutral min	VAC VAC VAC VAC Hz	600 347 40830 5480 45 and 360 66 and 440
Measuring voltage inputs Rated voltage (Ue) Operating voltage range Voltage inputs operational frequency	phase-neutral phase-phase phase-neutral min	VAC VAC VAC VAC Hz	600 347 40830 5480 45 and 360 66 and 440 True RMS Single. Two. Three-phase with
Measuring voltage inputs Rated voltage (Ue) Operating voltage range Voltage inputs operational frequency Voltage inputs measurement method	phase-neutral phase-phase phase-neutral min	VAC VAC VAC VAC Hz	600 347 40830 5480 45 and 360 66 and 440 True RMS Single. Two. Three-phase with or without neutral.
Measuring voltage inputs Rated voltage (Ue) Operating voltage range Voltage inputs operational frequency	phase-neutral phase-phase phase-neutral min	VAC VAC VAC VAC Hz	600 347 40830 5480 45 and 360 66 and 440 True RMS Single. Two. Three-phase with or without neutral. Balanced three-
Measuring voltage inputs Rated voltage (Ue) Operating voltage range Voltage inputs operational frequency Voltage inputs measurement method	phase-neutral phase-phase phase-neutral min	VAC VAC VAC VAC Hz	600 347 40830 5480 45 and 360 66 and 440 True RMS Single. Two. Three-phase with or without neutral. Balanced three- phase system.
Measuring voltage inputs Rated voltage (Ue) Operating voltage range Voltage inputs operational frequency Voltage inputs measurement method	phase-neutral phase-phase phase-neutral min	VAC VAC VAC VAC Hz	600 347 40830 5480 45 and 360 66 and 440 True RMS Single. Two. Three-phase with or without neutral. Balanced three- phase system. Three-phase
Measuring voltage inputs Rated voltage (Ue) Operating voltage range Voltage inputs operational frequency Voltage inputs measurement method Connection method	phase-neutral phase-phase phase-neutral min	VAC VAC VAC VAC Hz	600 347 40830 5480 45 and 360 66 and 440 True RMS Single. Two. Three-phase with or without neutral. Balanced three- phase system.
Measuring voltage inputs Rated voltage (Ue) Operating voltage range Voltage inputs operational frequency Voltage inputs measurement method Connection method Current inputs	phase-neutral phase-phase phase-neutral min	VAC VAC VAC Hz Hz	600 347 40830 5480 45 and 360 66 and 440 True RMS Single. Two. Three-phase with or without neutral. Balanced three- phase system. Three-phase ARON.
Measuring voltage inputs Rated voltage (Ue) Operating voltage range Voltage inputs operational frequency Voltage inputs measurement method Connection method Current inputs Rated current (le)	phase-neutral phase-phase phase-neutral min	VAC VAC VAC VAC Hz	600 347 40830 5480 45 and 360 66 and 440 True RMS Single. Two. Three-phase with or without neutral. Balanced three- phase system. Three-phase ARON. 1A/5A
Measuring voltage inputs Rated voltage (Ue) Operating voltage range Voltage inputs operational frequency Voltage inputs measurement method Connection method Current inputs	phase-neutral phase-phase phase-neutral min	VAC VAC VAC Hz Hz	600 347 40830 5480 45 and 360 66 and 440 True RMS Single. Two. Three-phase with or without neutral. Balanced three- phase system. Three-phase ARON.

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Overload capacity			+20% le by external CT with 5A secondary
Overload peak		А	120A for 0.5s
Accuracy			
	VLN voltage		Class 0.2 (IEC/EN 61557- 12), V:50-480V~
	VLL voltage		Class 0.2 (IEC/EN 61557- 12), V:87-830V~
	Current		Class 0.2 (IEC/EN 61557- 12), In:5A~
	Frequency		Class 0.02 (IEC/EN 61557- 12)
	Active power		Class 0.5 (IEC/EN 61557- 12)
	Reactive power		Class 1 (IEC/EN 61557-12) Class 0.5s
	Active energy		(IEC/EN 62053- 22)
	Reactive energy		Class 1 (IEC/EN 62053-24)
	THD		Class 5 (IEC/EN 61557-12)
	2nd 15th order harmonics		Class 5 (IEC/EN 61557-12)
Insulations			000
Rated insulation voltage Ui IEC/EN		V	600
Rated impulse withstand voltage Uimp		kV	9.6
Operating frequency withstand voltage		kV	5.4
Functions			63rd order
Harmonic analysis PLC logic			Yes
Type of communication port			Ethernet
Ethernet-RS485 gateway function			+EXP1012
Data logging memory			Yes
Neutral/earth current and voltage monitoring			No
Statistics of network quality according to EN50160			No
EASY BRANCH support			Yes
Mechanical features			-
Housing type			Xantar RAL 7035
Terminals type			Removable
Conductor cross section			
	min	mm²	0.2
	Max	mm²	2.5
	min	AWG	24
	Max	AWG	12
Tightening torque (Max)			
		Nm	0.5
		lbin	4.5

DMG8000

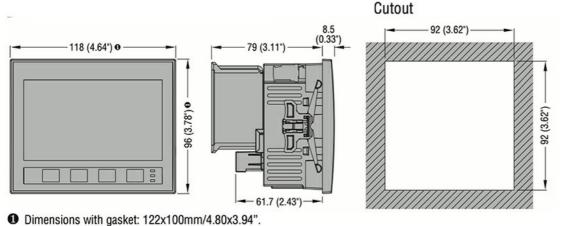
DMG8000

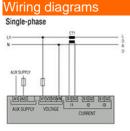


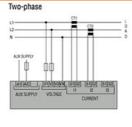
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Fixing				Flush-mounting
Weight			g	420
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-20
		max	°C	+60
	Storage temperature			
		min	°C	-30
		max	°C	+80
Relative humidity			%	<80
Maximum Pollution deg	gree			2
Protection degree				IP65
Dimensione				

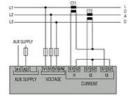
Dimensions

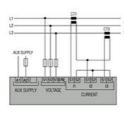






Three-phase without neutral in ARON connection





RS485 for DMG110 and DMG210

TR A B SG

 CODE
 AUX SUPPLY

 DMG100-110-200-210-300
 100...240VAC

 110...250VDC
 100...40VAC

 DMG6...
 100...260VDC

 DMG7000-7500-8000-9000
 100...240VAC

 110...250VDC
 100...240VAC

RS485 for DMG610

A B RS485 0

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ALX SUPPLY

RS485 for DMG7500 and DMG9000

Balanced 3-phase connection with or without neutral

Three-phase with or without neutral

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AUX SUPPL

Certifications and compliance

Compliance

IEC/EN/BS 61000-6-2 IEC/EN/BS 61000-6-4

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The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



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	IEC/EN/BS 61010-1
Certificates	
	CE
	cETLus
	EAC
	UKCA
ETIM classification	on

ETIM 8.0

EC002301 -Multifunction measuring instrument

DMG8000