## DMG7500



POWER ANALYZER WITH WIDESCREEN COLOUR LCD. AUXILIARY SUPPLY 100...240VAC. EXPANDABLE WITH 3 EXP... MODULES, BUILT-IN RS485 PORT, COMPATIBLE WITH EASY BRANCH POWER MONITORING SYSTEM

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	5 489	5.479	4.97
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Product designation			Panel m. color glcd mult., RS485
Product type designation			DMG7500
Туре			Three-phase +
			neutral
Auxiliary supply Us Auxiliary rated supply voltage AC		VAC	100240
Auxiliary rated supply voltage AC Auxiliary rated supply voltage DC		VAC	110250
Auxiliary operating voltage range		VDC	110250
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
Measuring voltage inputs			
Rated voltage (Ue)	nhaaa nhaaa		C00
	phase-phase phase-neutral	VAC VAC	600 347
Operating voltage range	phase-neutral	VAC	347
Operating voltage range	phase-phase	VAC	40830
	phase-neutral	VAC	5480
Voltage inputs operational frequency	phase neutral	VAO	5400
	min	Hz	45 and 360
	max	Hz	66 and 440
Voltage inputs measurement method			True RMS
			Single. Two. Three-phase with or without neutral.
Connection method			Balanced three- phase system. Three-phase ARON.
Current inputs			
Rated current (le)		A	1A/5A
Measurement range			0.0046
Measurement method			TRMS

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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)
	Active energy		Class 0.5s (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			COrd ordor
Harmonic analysis PLC logic			63rd order Yes
Type of communication port			RS485
Ethernet-RS485 gateway function			+EXP1013
Data logging memory			No
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

DMG7500

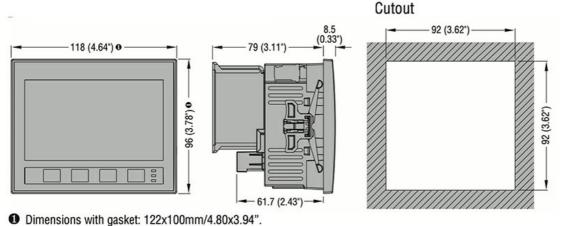
## DMG7500

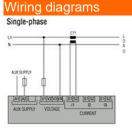


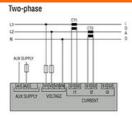
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Fixing				Flush-mounting
Weight			g	420
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-20
		max	°C	+60
	Storage temperature			
		min	°C	-30
		max	°C	+80
Relative humidity			%	<80
Maximum Pollution d	egree			2
Protection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

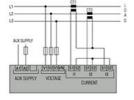
Dimensions

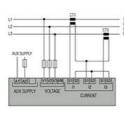






Three-phase without neutral in ARON connection





RS485 for DMG110 and DMG210

TR A B SG

 CODE
 AUX SUPPLY

 DMG100-110-200-210-300
 100...420VAC

 110...250VDC
 100...440VAC

 DMG6...
 100...440VAC

 100...250VDC
 100...250VDC

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

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

RS485 for DMG610

510

0 0 00

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

DMG7500

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
<b>FTIM</b> classificatio	n

**ETIM 8.0** 

EC002301 -Multifunction measuring instrument

**DMG7500**