

# ANALIZADOR DE RED CON AMPLIA PANTALLA LCD A COLOR. ALIMENTACIÓN AUXILIAR 100...240VAC. EXPANDIBLE CON 3 MÓDULOS EXP...



Product designation			Panel m. color glcd mult.
Product type designation			DMG7000
Туре			Three-phase + neutral
Auxiliary supply Us			
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
Measuring voltage inputs			
Rated voltage (Ue)			
Talou Tollago (Co)	phase-phase	VAC	600
	phase-neutral	VAC	347
Operating voltage range	priace riedita.	*****	<u> </u>
operating vehicle range		_	
	nhase-nhase	V/AC.	40 830
	phase-phase	VAC	40830 5 480
Voltage inputs operational frequency	phase-phase phase-neutral	VAC VAC	40830 5480
Voltage inputs operational frequency	phase-neutral	VAC	5480
Voltage inputs operational frequency	phase-neutral min	VAC Hz	5480 45 and 360
	phase-neutral	VAC	5480 45 and 360 66 and 440
Voltage inputs operational frequency  Voltage inputs measurement method	phase-neutral min	VAC Hz	5480 45 and 360 66 and 440 True RMS
	phase-neutral min	VAC Hz	5480  45 and 360 66 and 440  True RMS  Single. Two.
	phase-neutral min	VAC Hz	5480  45 and 360 66 and 440  True RMS  Single. Two. Three-phase with
Voltage inputs measurement method	phase-neutral min	VAC Hz	5480  45 and 360 66 and 440  True RMS  Single. Two. Three-phase with or without neutral.
	phase-neutral min	VAC Hz	5480  45 and 360 66 and 440  True RMS  Single. Two. Three-phase with or without neutral. Balanced three-
Voltage inputs measurement method	phase-neutral min	VAC Hz	5480  45 and 360 66 and 440  True RMS  Single. Two. Three-phase with or without neutral.
Voltage inputs measurement method	phase-neutral min	VAC Hz	5480  45 and 360 66 and 440  True RMS  Single. Two. Three-phase with or without neutral. Balanced three-phase system.
Voltage inputs measurement method	phase-neutral min	VAC Hz	5480  45 and 360 66 and 440  True RMS  Single. Two. Three-phase with or without neutral. Balanced three-phase system. Three-phase
Voltage inputs measurement method  Connection method	phase-neutral min	VAC Hz	5480  45 and 360 66 and 440  True RMS  Single. Two. Three-phase with or without neutral. Balanced three-phase system. Three-phase
Voltage inputs measurement method  Connection method  Current inputs	phase-neutral min	Hz Hz	5480  45 and 360 66 and 440  True RMS  Single. Two. Three-phase with or without neutral. Balanced three-phase system. Three-phase ARON.
Voltage inputs measurement method  Connection method  Current inputs  Rated current (le)	phase-neutral min	Hz Hz	5480  45 and 360 66 and 440  True RMS  Single. Two. Three-phase with or without neutral. Balanced three-phase system. Three-phase ARON.
Voltage inputs measurement method  Connection method  Current inputs  Rated current (le)  Measurement range	phase-neutral min	Hz Hz	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  0.0046  TRMS +20% le by
Voltage inputs measurement method  Connection method  Current inputs  Rated current (le)  Measurement range	phase-neutral min	Hz Hz	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  0.0046  TRMS +20% le by external CT with
Voltage inputs measurement method  Connection method  Current inputs Rated current (Ie) Measurement range Measurement method	phase-neutral min	Hz Hz	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  0.0046  TRMS +20% le by

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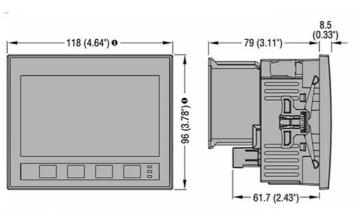
Overload peak		Α	120A for 0.5s
Accuracy			
	N/1 N/1 N/1		Class 0.2
	VLN voltage		(IEC/EN 61557-
			12), V:50-480V~ Class 0.2
	VLL voltage		(IEC/EN 61557-
	van vanage		12), V:87-830V~
			Class 0.2
	Current		(IEC/EN 61557-
			12), In:5A~
	_		Class 0.02
	Frequency		(IEC/EN 61557-
			12) Class 0.5
	Active power		(IEC/EN 61557-
	ricare perior		12)
	Depative newer		Class 1 (IEC/EN
	Reactive power		61557-12)
			Class 0.5s
	Active energy		(IEC/EN 62053-
			22)
	Reactive energy		Class 1 (IEC/EN 62053-24)
			Class 5 (IEC/EN
	THD		61557-12)
	2nd 15th order harmonics		Class 5 (IEC/EN
	Zild 13til older hamlonics		61557-12)
Insulations			
Rated insulation voltage Ui IEC/EN		V	600
Rated impulse withstand voltage Uimp		kV	9.6
Operating frequency withstand voltage Functions		kV	5.4
Harmonic analysis			63rd order
PLC logic			Yes
Type of communication port			No
· · · · · · · · · · · · · · · · · · ·			+EXP1012
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			No
Mechanical features			
Housing type			Xantar RAL 7035
Terminals type			Removable
Conductor cross section		_	
	min	mm²	0.2
	Max	mm²	2.5
	min Mov	AWG	24
Tightoning torque (Max)	Max	AWG	12
Tightening torque (Max)		Nm	0.5
		lbin	4.5
Fixing		10111	Flush-mounting
Weight		g	412



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Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-20
		max	°C	+60
	Storage temperature			
		min	°C	-30
		max	°C	+80
Relative humidity			%	<80
Maximum Pollution	degree			2
Protection degree				IP65

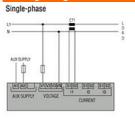
### **Dimensions**

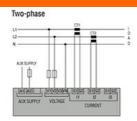


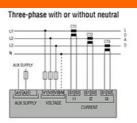
# 92 (3.62°) (.29°E) 26

① Dimensions with gasket: 122x100mm/4.80x3.94".

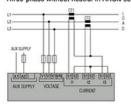
### Wiring diagrams

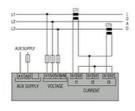


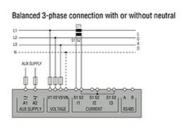




### Three-phase without neutral in ARON connection







CODE	AUX SUPPLY
DMG100-110-200-210-300	100240VAC 110250VDC
DMG6	100440VAC 110250VDC
DMG7000-7500-8000-9000	100240VAC 110250VDC

RS485 for DMG210	DMG110 and
TR A B SG RS485	

RS485	for	DMG610
AB		
RS485		

RS485 for DMG7500 and DMG9000

## Certifications and compliance

### Compliance

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

IEC/EN/BS 61010-1

### Certificates



# **DMG7000**

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CE			
EAC			
UKCA			

ETIM classification

ETIM 8.0

EC002301 -Multifunction measuring instrument