



Product designation			Panel m. color glcd mult.
Product type designation			DMG7000
Туре			Three-phase + neutral + earth
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			
Den en Perforte Ma	Max	VA	15
Power dissipation Max		W	6
Measuring voltage inputs			
Rated voltage (Ue)		VAC	600
	phase-phase phase-neutral	VAC	347
Operating voltage range	phase-neutrai	VAC	547
Operating voltage range	phase-phase	VAC	40830
	phase-neutral	VAC	5480
Voltage inputs operational frequency	phase neutral	110	0+00
	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			ARON.
Rated current (le)		А	1A/5A
Measurement range		~	0.0046
Measurement method			TRMS
			+20% le by
Overload capacity			external CT with
			5A secondary
			2

DMG7000

DMG7000

120A for 0.5s

А



ENERGY AND AUTOMATION

Overload peak

Weasurement conditions (T +23°C ±1°C / Rel. Humidity 45 ±15% R.H.)         Class 0.2 (IEC/EN 61557. 2), V30-400V.           VLN voltage         (IEC/EN 61557. 12), V37-830V.           VLL voltage         (IEC/EN 61557. 12), V37-830V.           VLN voltage         (IEC/EN 61557. 12), V37-830V.           Class 0.2         (IEC/EN 61557. 12), V37-830V.           Class 0.02         (IEC/EN 61557. 12), In5A- 0000           Class 0.02         (IEC/EN 61557. 12)           Class 0.5         (IEC/EN 61557. 12)			А	120A for 0.5s
VLN voltage         VLN voltage         (IEC/EN 61557. 12), V:50-480V. Class 0.2           VLL voltage         (IEC/EN 61557. 12), V:50-480V. Class 0.2         (IEC/EN 61557. 12), In:5A- Class 0.2           current         (IEC/EN 61557. 12), In:5A- Class 0.2         Class 0.2           frequency         (IEC/EN 61557. 12), In:5A- Class 0.5         Class 0.5           active power         (IEC/EN 61557. 12)         Class 0.5           active energy         Class 1.1 (IEC/EN 61557. 12)         Class 0.5           active energy         Class 1.1 (IEC/EN 61557. 12)         Class 0.5           active energy         Class 1.1 (IEC/EN 61557. 12)         Class 0.5           active energy         Class 0.5         Class 0.5           active energy         Class 1.1 (IEC/EN 61557. 12)         Class 0.5           active energy         Class 0.5         Class 0.5           active energy         Class 0.5         Class 0.5           active energy         Class 1.1 (IEC/EN 85         Class 5.1 (IEC/EN 85           active energy         Class 5.1 (IEC/EN 85         Class 5.1 (IEC/EN 85           active energy         Class 5.1 (IEC/EN 85         Class 5.1 (IEC/EN 85           active energy         Class 5.1 (IEC/EN 85         Class 5.1 (IEC/EN 85           actide insulation voltage UI IEC/EN         V </td <td>Accuracy</td> <td></td> <td></td> <td></td>	Accuracy			
VLN voltage         VLN voltage         (IEC/EN 61557. 12), V:50-480V. Class 0.2           VLL voltage         (IEC/EN 61557. 12), V:50-480V. Class 0.2         (IEC/EN 61557. 12), In:5A- Class 0.2           current         (IEC/EN 61557. 12), In:5A- Class 0.2         Class 0.2           frequency         (IEC/EN 61557. 12), In:5A- Class 0.5         Class 0.5           active power         (IEC/EN 61557. 12)         Class 0.5           active energy         Class 1.1 (IEC/EN 61557. 12)         Class 0.5           active energy         Class 1.1 (IEC/EN 61557. 12)         Class 0.5           active energy         Class 1.1 (IEC/EN 61557. 12)         Class 0.5           active energy         Class 0.5         Class 0.5           active energy         Class 1.1 (IEC/EN 61557. 12)         Class 0.5           active energy         Class 0.5         Class 0.5           active energy         Class 0.5         Class 0.5           active energy         Class 1.1 (IEC/EN 85         Class 5.1 (IEC/EN 85           active energy         Class 5.1 (IEC/EN 85         Class 5.1 (IEC/EN 85           active energy         Class 5.1 (IEC/EN 85         Class 5.1 (IEC/EN 85           active energy         Class 5.1 (IEC/EN 85         Class 5.1 (IEC/EN 85           actide insulation voltage UI IEC/EN         V </td <td>Measurement conditions (T +23°C ±1°C / Rel. Humidity 45 ±15% R.H.)</td> <td></td> <td></td> <td></td>	Measurement conditions (T +23°C ±1°C / Rel. Humidity 45 ±15% R.H.)			
VLL voltage         (EC/EN 61557.12)           current         (EC/EN 61557.12)           reactive power         (EC/EN 61557.12)           reactive power         (EC/EN 61557.12)           reactive energy         (EC/EN 61557.12)           reactive energy         (Eass 1 (EC/EN 61557.12)           reactive energy         (Eass 1 (EC/EN 856)           current         (EC/EN 856)           tead insulation voltage Ui EC/EN         (EC/EN 856)           tated insulation voltage Ui EC/EN         V           stated insulation voltage Ui EC/EN         V           state dinsulation voltage Ui EC/EN         V           state dinsulatin voltage Ui EC/EN		le		Class 0.2 (IEC/EN 61557- 12), V:50-480V~
current         (IEC/EN 61557. 12), In:5A- Class 0.02           frequency         (IEC/EN 61557. 12)           active power         (IEC/EN 61557. 12)           reactive power         Class 1.02           reactive power         (IEC/EN 61557. 12)           active energy         Class 1.02           colss 0.5         (IEC/EN 61557. 12)           reactive energy         Class 1.11EC/EN 61557.12)           colss 5 (IEC/EN 61557.12)         Class 5 (IEC/EN 61557.12)           Asted insulation voltage UilEC/EN         V           Asted insulat	VLL voltag	le		Class 0.2 (IEC/EN 61557- 12), V:87-830V~
frequency         (IE/CN 61557.12)           Class 0.5         (IE/CN 61557.12)           cactive power         Class 1 (IE/CN 61557.12)           reactive energy         Class 1 (IE/CN 61557.12)           active energy         Class 1 (IE/CN 61557.12)           active energy         Class 1 (IE/CN 61557.12)           reactive energy         Class 1 (IE/CN 61557.12)           reactive energy         Class 1 (IE/CN 61557.12)           THD         Class 1 (IE/CN 61557.12)           Read insulation voltage Uire/CN 81557.12)         Class 1 (IE/CN 61557.12)           Stated insulation voltage Uire/CN 81557.12)         Class 5 (IE/CN 61557.12)           Asted insulation voltage Uire/CN 81557.12)         Class 5 (IE/CN 61557.12)           Stated insulation voltage Uire/CN 800         State 1 (IE/CN 800           Stated insulation voltage Uire/CN 800         KV 9.6           Operating frequency withstand voltage         KV 9.6           Conductor cross section         min mm² 0.2           Max	curre	nt		(IEC/EN 61557- 12), In:5A~
active power         (IEC/EN 61557-12) 12)           reactive power         Class 1 (IEC/EN 61557-12)           active energy         Class 1 (IEC/EN 62053-22)           reactive energy         Class 1 (IEC/EN 62053-22)           reactive energy         Class 1 (IEC/EN 62053-22)           reactive energy         Class 5 (IEC/EN 61557-12)           THD         Class 5 (IEC/EN 61557-12)           2nd 15th order harmonics         Class 5 (IEC/EN 61557-12)           Steled insulation voltage Uinp         kV           Atted insulation voltage Uinp         kV           Atted insulation voltage Uinp         kV           Vechanical features         emovable           Housing type         Xantar RAL 703           Conductor cross section         min           Max         mm <sup>2</sup> 0.2           Max         AWG         12           Fightening torque (Max)         g         412           Max	frequence	сy		(IEC/EN 61557- 12)
Ideal Uve provent         61557-12) Class 0.5s           active energy         (EC/EN/BS 62053-22)           reactive energy         Class 1 (IEC/EN/ 62053-24)           THD         Class 5 (IEC/EN 61557-12)           Class 5 (IEC/EN/ 61557-12)         Class 5 (IEC/EN 61557-12)           Atted insulation voltage Ui IEC/EN         V           Atted insulation voltage Ui IEC/EN         V           Atted insulation voltage Ui IEC/EN         V           Operating frequency withstand voltage         kV           V         5.4           Vechanical features         Removable           Conductor cross section         min           Max         mm <sup>2</sup> Class 5 (IEC/EN         Xantar RAL 703           Removable         2.5           min         AWG           Conductor cross section         min           Max         mm <sup>2</sup> Veclanical features         2.5           String         Flush-mounting           Weight         g         412           Max         AWG         12           Trightening torque (Max)         g         412           Tightening torque (Max)         g         412           Ambient conditions	active power	ər		(IEC/EN 61557-
$\begin{tabular}{l l l l l l l l l l l l l l l l l l l $	reactive power	ər		,
$\begin{tabular}{l lllllllllllllllllllllllllllllllllll$	active energy	јУ		(IEC/EN/BS
IPID     61557-12)       2nd 15th order harmonics     Class 5 (IEC/EN       Rated insulation voltage Ui IEC/EN     V     600       Rated insulation voltage Uimp     kV     9.6       Operating frequency withstand voltage     kV     5.4       Mechanical features     V     600       Ferninals type     Removable     Xantar RAL 703       Fordination to response to the section     Removable     2.5       Conductor cross section     min     mm²     2.2       Max     mm²     2.5     1.2       Tightening torque (Max)     Max     AWG     12       Fightening torque (Max)     Removable     1.2       Fightening torque (Max)     Nm     0.5     1.5       Fixing     Flush-mounting     1.2       Remoration     Flush-mounting     1.2       Remoration     g     4.12       Ambient conditions     g     4.12       Femperature     min     °C     -20       Max     °C     -20     -20       Max     °C     -20     -20       Remoration     Remoration     -20     -20       Remoration     Remoration     -20     -20       Remoration     Remoration     -20     -20 <td>reactive energy</td> <td>ју</td> <td></td> <td>Class 1 (IEC/EN 62053-24)</td>	reactive energy	ју		Class 1 (IEC/EN 62053-24)
2nd 15th order harmonics       Class 5 (IEC/EN 61557-12)         Rated insulation voltage Ui IEC/EN       V       600         Rated insulation voltage Uimp       kV       9.6         Operating frequency withstand voltage       kV       5.4         Machanical features       Xantar RAL 703         Ferminals type       Xantar RAL 703         Conductor cross section       Removable         Conductor cross section       Nm       0.2         Max       mm²       2.5         min       MWG       24         Max       AWG       12         Fightening torque (Max)       Nm       0.5         Ibin       4.5       12         Fixing       Flush-mounting         Neight       g       412         Ambient conditions       Flush-mounting         Femperature       Min       °C         Operating temperature       min       °C         Max       °C       -20         Max<	TH	D		•
Nulations       V       600         Rated insulation voltage Ui IEC/EN       V       600         Rated inpulse withstand voltage Uimp       KV       9.6         Operating frequency withstand voltage       KV       5.4         Mechanical features	2nd 15th order harmonic	s		Class 5 (IEC/EN
Rated impulse withstand voltage Uimp       kV       9.6         Operating frequency withstand voltage       kV       5.4         Wechanical features       Xantar RAL 703         Housing type       Xantar RAL 703         Ferminals type       Removable         Conductor cross section       min       mm²       0.2         Max       mm²       2.5       min       AWG       24         Max       MWG       24       Max       AWG       12         Fightening torque (Max)       Nm       0.5       lbin       4.5         Fixing       Flush-mounting       Veight       g       412         Ambient conditions       g       412       Max       °C       +60         Storage temperature       min       °C       -20       max       °C       +60         Storage temperature       min       °C       -30       max       °C       +80	Insulations			,
Rated impulse withstand voltage Uimp       kV       9.6         Operating frequency withstand voltage       kV       5.4         Mechanical features       xantar RAL 703         Housing type       Xantar RAL 703         Terminals type       Removable         Conductor cross section       min       mm²       0.2         Max       mm²       2.5       min       AWG       24         Max       MWG       24       Max       AWG       12         Tightening torque (Max)       Nm       0.5       lbin       4.5         Fixing       Flush-mounting       Veight       g       412         Ambient conditions       g       412       Max       Storage temperature       min       °C       -20         Storage temperature       min       °C       -20       max       °C       +60         Storage temperature       min       °C       -30       max       °C       +80	Rated insulation voltage Ui IEC/EN		V	600
Operating frequency withstand voltage       kV       5.4         Mechanical features       Xantar RAL 703         Housing type       Xantar RAL 703         Ferminals type       Removable         Conductor cross section       min       mm²       0.2         Max       mm²       2.5       min       AWG       24         Max       MWG       24       Max       AWG       12         Tightening torque (Max)       Nm       0.5       Ibin       4.5         Fixing       Flush-mounting       Veight       g       412         Ambient conditions       g       412       Ambient conditions         Temperature       Operating temperature       min       °C       -20         Max       °C       +60       50       60         Storage temperature       min       °C       -30         max       °C       +80       -80	Rated impulse withstand voltage Uimp		kV	9.6
Mechanical features          Housing type       Xantar RAL 703         Ferminals type       Removable         Conductor cross section       min       mm²       0.2         Max       mm²       2.5       min       AWG       24         Max       AWG       12       12       12         Fightening torque (Max)       Nm       0.5       10       4.5         Fixing       Flush-mounting       Veight       4.5         Meight       g       412       412         Ambient conditions       Femperature       min       °C       -20         Max       °C       +60       5       5         Storage temperature       min       °C       -30       max       °C       +80				
Housing type       Xantar RAL 703         Ferminals type       Removable         Conductor cross section       min       mm²       0.2         Max       mm²       2.5       min       AWG       24         Max       AWG       12       12       12         Fightening torque (Max)       Nm       0.5       16       4.5         Fixing       Flush-mounting       4.5       12         Fixing       Flush-mounting       412       4.5         Fixing       g       412       4.5         Fixing       Flush-mounting       9       412         Ambient conditions       g       412       4.5         Femperature       Operating temperature       min       °C       -20         Max       °C       +60       -20       -20         Storage temperature       min       °C       -20       -20         max       °C       +60       -20       -20       -20       -20         Storage temperature       min       °C       -20       -20       -20       -20       -20       -20       -20       -20       -20       -20       -20       -20       -20				
Terminals type       Removable         Conductor cross section       min       mm²       0.2         Max       mm²       2.5       min       AWG       24         Max       AWG       12       12       12         Fightening torque (Max)       Nm       0.5       1bin       4.5         Fixing       Flush-mounting       Veight       g       412         Ambient conditions       g       412       412         Femperature       Operating temperature       min       °C       -20         Max       °C       +60       5torage temperature       min       °C       -30         max       °C       +80       -80       -80       -80				Xantar RAL 703
Conductor cross section          min       mm²       0.2         Max       mm²       2.5         min       AWG       24         Max       AWG       12         Fightening torque (Max)       Nm       0.5         Ibin       4.5         Fixing       Flush-mounting         Weight       g       412         Ambient conditions       Flush-mounting         Temperature       min       °C         Óperating temperature       min       °C         Storage temperature       min       °C         min       °C       -30         max       °C       +80				
$\begin{array}{cccccccccccccccccccccccccccccccccccc$				Removable
$\begin{array}{c c c c c c c } & & & & & & & & & & & & & & & & & & &$			2	
min       AWG       24         Max       AWG       12         Fightening torque (Max)       Nm       0.5         Ibin       4.5         Fixing       g       412         Ambient conditions       g       412         Temperature       min       °C       -20         Max       °C       +60         Storage temperature       min       °C       -30         Max       °C       +80				
Max       AWG       12         Fightening torque (Max)       Nm       0.5         Ibin       4.5         Fixing       g       412         Ambient conditions       g       412         Temperature       min       °C       -20         Max       °C       +60         Storage temperature       min       °C       -30         Min       °C       +80				
Fightening torque (Max)       Nm       0.5         Ibin       4.5         Fixing       Flush-mounting         Weight       g       412         Ambient conditions       File         Femperature       min       °C         Operating temperature       min       °C         Storage temperature       min       °C         min       °C       -30         max       °C       +80				
Nm       0.5         Ibin       4.5         Fixing       Flush-mounting         Weight       g       412         Ambient conditions       Femperature         Coperating temperature       min       °C         Min       °C       +60         Storage temperature       min       °C         Min       °C       -30         max       °C       +80		<u>ax A</u>	AWG	12
Ibin       4.5         Fixing       Flush-mounting         Weight       g       412         Ambient conditions       g       412         Temperature       min       °C       -20         Max       °C       +60         Storage temperature       min       °C       -30         max       °C       +80	Tightening torque (Max)			
Fixing Flush-mounting Weight g 412 Ambient conditions Femperature Operating temperature				
Weight       g       412         Ambient conditions			lbin	4.5
Weight       g       412         Ambient conditions	Fixing			Flush-mounting
Ambient conditions Femperature Operating temperature min °C -20 max °C +60 Storage temperature min °C -30 max °C +80	Weight	_	g	412
Operating temperature       min       °C       -20         max       °C       +60         Storage temperature       min       °C       -30         max       °C       +80	Ambient conditions			
Operating temperature       min       °C       -20         max       °C       +60         Storage temperature       min       °C       -30         max       °C       +80	Temperature			
min         °C         -20           max         °C         +60           Storage temperature         min         °C         -30           max         °C         +80				
max°C+60Storage temperaturemin°C-30max°C+80		in	°C	-20
Storage temperature min °C -30 max °C +80				
min °C -30 max °C +80				
max °C +80		in	°C	-30
	Relative humidity		%	<80

DMG7000



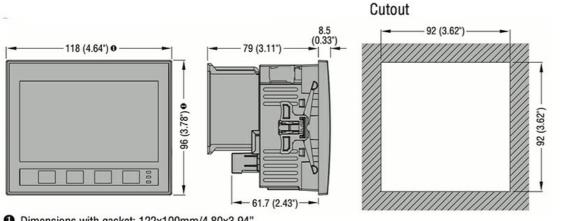
## POWER ANALYZER WITH WIDESCREEN COLOUR LCD. AUXILIARY SUPPLY 100...240VAC.

ENERGY AND AUTOMATION

EXPANDABLE WITH 3 EXP... MODULES

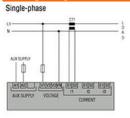
**DMG7000** 

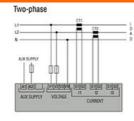




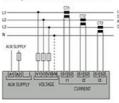
Dimensions with gasket: 122x100mm/4.80x3.94".

## Wiring diagrams

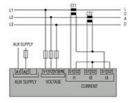


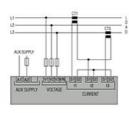


Three-phase with or without neutral

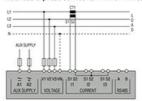


Three-phase without neutral in ARON connection





Balanced 3-phase connection with or without neutral



RS485 for DMG110 and DMG210 RS485 for DMG7500 and DMG9000 RS485 for DMG610 CODE DMG100-110-200-210-300 AUX SUPPLY 100...240VAC 110...250VDC A 8 RS485 TR A B SG ABSG 100...440VAC 110...250VDC 100...250VDC 100...250VDC 110...250VDC DMG6 DMG7000-7500-8000-9000

## Certifications and compliance

Compliance

	IEC/EN/BS 61000-6-2	
	IEC/EN/BS 61000-6-4	
	IEC/EN/BS 61010-1	
Certificates		
	CE	
	EAC	
	UKCA	
ETIM classification	on	
		EC002301 -
ETIM 8.0		Multifunction
		measuring
		instrument