

Product designation				Panel m. color glcd mult., Ethernet
Product type designation				DMG8000
Type				Three-phase + neutral
<b>Auxiliary supply Us</b>				
Auxiliary rated supply voltage AC	VAC	100...240		
Auxiliary rated supply voltage DC	VDC	110...250		
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	
<b>Measuring voltage inputs</b>				
Rated voltage (Ue)	phase-phase	VAC	600	
	phase-neutral	VAC	347	
Operating voltage range	phase-phase	VAC	40...830	
	phase-neutral	VAC	5...480	
Voltage inputs operational frequency	min	Hz	45 and 360	
	max	Hz	66 and 440	
Voltage inputs measurement method	True RMS			
Connection method	Single. Two. Three-phase with or without neutral. Balanced three- phase system. Three-phase ARON.			
<b>Current inputs</b>				
Rated current (Ie)	A	1A/5A		
Measurement range	0.004...6			
Measurement method	TRMS			
Overload capacity	+20% Ie by external CT with 5A secondary			
Overload peak	A	120A for 0.5s		
<b>Accuracy</b>				
	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

Rated insulation voltage Ui IEC/EN	V	600
Rated impulse withstand voltage Uimp	kV	9.6
Operating frequency withstand voltage	kV	5.4

#### Mechanical features

Housing type	Xantar RAL 7035
Terminals type	Removable
Conductor cross section	
	min mm <sup>2</sup> 0.2
	Max mm <sup>2</sup> 2.5
	min AWG 24
	Max AWG 12

#### Tightening torque (Max)

	Nm	0.5
	lbin	4.5

#### Fixing

Weight	g	420
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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

Maximum Pollution degree	2
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#### Protection degree

Protection degree	IP65
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#### ETIM classification

ETIM 8.0

EC002301 -  
Multifunction  
measuring  
instrument