## **DMG615**



FLUSH-MOUNT LCD MULTIMETER, EXPANDABLE. HIGH ACCURACY MEASURING OF ACTIVE ENERGY WITH CLASS 0.5S. BACKLIGHT ICON LCD, 72X46MM/2.8X1.8", HARMONIC ANALISYS, AUXILIARY SUPPLY 100-440VAC/120-250VDC, FRONT OPTICAL PORT AND RS485 PORT



Product designation Product type designation			Flush-mount LCD multimeters. expandable DMG615
Туре			Three-phase + neutral
Auxiliary supply Us			Houra
Auxiliary rated supply voltage AC		VAC	100440
Auxiliary rated supply voltage DC		VDC	120250
Auxiliary operating voltage range			
AC			
	min	VAC	90
	Max	VAC	484
DC			
	min	VDC	93.5
	Max	VDC	300
Operational frequency			
	min	Hz	45
	max	Hz	66
Power consumption			
	Max	VA	9.5
Power dissipation Max		W	3.5
Measuring voltage inputs			
Rated voltage (Ue)			
	phase-phase	VAC	600
·	phase-neutral	VAC	300
Operating voltage range			
	phase-phase	VAC	50720
	phase-neutral	VAC	30360
Voltage inputs operational frequency			
	min	Hz	45
	max	Hz	66
Voltage inputs measurement method			True RMS
			Single. two. three-phase with
Connection method			or without neutral.
			balanced three-
			phase system
Current inputs			
Rated current (le)		А	1A/5A
Measurement range			0.0256A
Measurement method			TRMS
			+20% le by
Overload capacity			external CT with
Overload peak		A	5A secondary 50A for 1s
		Δ.	

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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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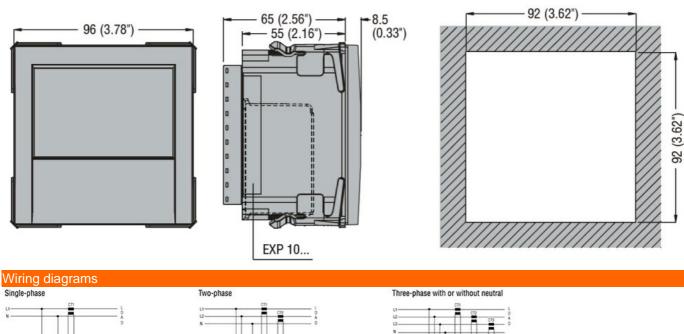
Accuracy

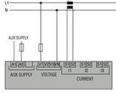
Accuracy	VLN voltage		±0.2%
	VLL voltage		±0.2%
	Current		±0.2%
			±0.2%
	Frequency		±0.05% ±0.5%
	Active power		±0.5% Class 0.5s
	Active operav		(IEC/EN 62053-
	Active energy		(IEC/EN 02053- 22)
	Reactive energy		Class 2 (IEC/EN 62053-23)
Insulations			
Rated insulation voltage Ui IEC/EN		V	600
Rated impulse withstand voltage Uimp		kV	9.5
Operating frequency withstand voltage		kV	5.2
Functions			
Harmonic analysis			15th order
PLC logic			No
Type of communication port			RS485
Ethernet-RS485 gateway function			No
Mechanical features			
Housing type			Polyamide
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
Fixing			Flush-mounting
Weight		g	350
Ambient conditions		-	
Temperature			
Operating temperature			
· •	min	°C	-20
	max	°C	+60
Storage temperature			
	min	°C	-30
	max	°C	+80
Relative humidity		%	<90
Maximum Pollution degree			2
Protection degree			IP54
Dimensions			

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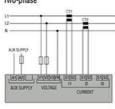




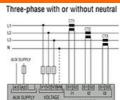


Three-phase without neutral in ARON connection

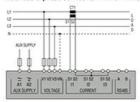
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Balanced 3-phase connection with or without neutral



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

## Certifications and compliance

Compliance

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DMG6.

Compliance		
	IEC/EN 61000-6-2	
	IEC/EN 61000-6-3	
	IEC/EN 61010-1	
	IEC/EN 61010-2-030	
Certificates		
	cULus	
	EAC	
	RCM	
ETIM classification		
		EC002301 -
ETIM 8.0		Multifunction
		measuring
		instrument

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