

DMG610 FLUSH-MOUNT LCD MULTIMETER, EXPANDABLE, BACKLIGHT ICON LCD DISPLAY, 72X46MM/2.8X1.8", AUXILIARY SUPPLY 100-440VAC/120-250VDC, FRONT OPTICAL PORT AND RS485 PORT



Product designation			Flush-mount LCD multimeters.
Product type designation			expandable DMG610
Туре			Three-phase + neutral
Auxiliary supply Us			
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	Max	W	3.5
Measuring voltage inputs		vv	0.0
Rated voltage (Ue)			
	phase-phase	VAC	600
	phase-phase phase-neutral	VAC VAC	600 300
	phase-phase phase-neutral	VAC VAC	600 300
Operating voltage range	phase-neutral	VAC	300
	phase-neutral phase-phase		300 50720
Operating voltage range	phase-neutral	VAC VAC	300
	phase-neutral phase-phase	VAC VAC	300 50720
Operating voltage range	phase-neutral phase-phase phase-neutral	VAC VAC VAC	300 50720 30360
Operating voltage range	phase-neutral phase-phase phase-neutral min	VAC VAC VAC Hz	300 50720 30360 45
Operating voltage range Voltage inputs operational frequency	phase-neutral phase-phase phase-neutral min	VAC VAC VAC Hz	300 50720 30360 45 66 True RMS Single. two. three-phase with or without neutral. balanced three-
Operating voltage range   Voltage inputs operational frequency   Voltage inputs measurement method	phase-neutral phase-phase phase-neutral min	VAC VAC VAC Hz	300 50720 30360 45 66 True RMS Single. two. three-phase with or without neutral.
Operating voltage range   Voltage inputs operational frequency   Voltage inputs measurement method   Connection method	phase-neutral phase-phase phase-neutral min	VAC VAC VAC Hz	300 50720 30360 45 66 True RMS Single. two. three-phase with or without neutral. balanced three-
Operating voltage range   Voltage inputs operational frequency   Voltage inputs measurement method   Connection method   Current inputs	phase-neutral phase-phase phase-neutral min	VAC VAC VAC Hz Hz	300 50720 30360 45 66 True RMS Single. two. three-phase with or without neutral. balanced three- phase system
Operating voltage range   Voltage inputs operational frequency   Voltage inputs measurement method   Connection method   Current inputs   Rated current (le)	phase-neutral phase-phase phase-neutral min	VAC VAC VAC Hz Hz	300 50720 30360 45 66 True RMS Single. two. three-phase with or without neutral. balanced three- phase system 1A/5A
Operating voltage range   Voltage inputs operational frequency   Voltage inputs measurement method   Connection method   Current inputs   Rated current (le)   Measurement range	phase-neutral phase-phase phase-neutral min	VAC VAC VAC Hz Hz	300 50720 30360 45 66 True RMS Single. two. three-phase with or without neutral. balanced three- phase system 1A/5A 0.0256A

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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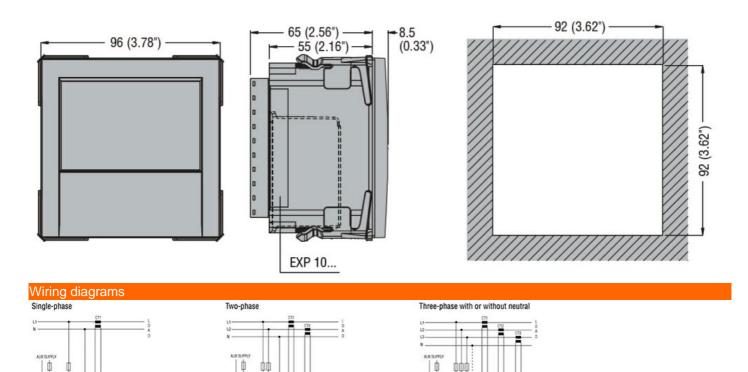
<u>Accuracy</u>

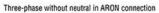
Accuracy			
	VLN voltage		±0.5%
	VLL voltage		±0.5%
	Current		±0.5%
	Frequency		±0.05%
	Active power		±0.5%
	Active energy		Class 1 (IEC/EN 62053-21)
	Reactive energy		Class 2 (IEC/EN 62053-23)
RS485 serial interface			,
Baud rate		bps	Programmable 1200115200
Insulations			
Rated insulation voltage Ui 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)	IVIAA	ANO	12
rightering torque (Max)		Nm	0.5
		lbin	4.5
Fixing		חומו	
Fixing			Flush-mounting
Weight Ambient conditions		g	350
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 [mm (in)]			

## **DMG610**



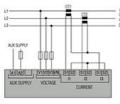
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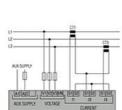
12 13

11



ATTATT

AUX SUPPL



15152

11

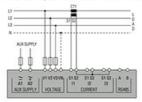
VOLTAGE

AUX SUPPL

Balanced 3-phase connection with or without neutral

11 12 13

VOLTAGE



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

## Certifications and compliance

Compliance

Compliance	
	CSA 22.2 n°61010-1
	IEC/EN 61000-6-2
	IEC/EN 61000-6-3
	IEC/EN 61010-1
	IEC/EN 61010-2-030
	UL61010-1
Certificates	
	cULus
	EAC
	GOST
	RCM
ETIM classification	

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**ETIM 8.0** 

EC002301 -Multifunction measuring instrument