



Product designation			Flush-mount LCD
Product type designation			multimeters DMG500
			Three-phase +
Туре			neutral
Auxiliary supply Us			
Auxiliary rated supply voltage AC		VAC	100240
Auxiliary rated supply voltage DC		VDC	120250
Auxiliary operating voltage range			
AC			
	min	VAC	90
DC	Max	VAC	264
	min	VDC	93.5
	Max	VDC	93.5 300
Operational frequency	IVIAA	VDC	300
Operational frequency	min	Hz	45
	max	Hz	66
Power consumption	Thur,		
	Max	VA	9.5
Power dissipation Max		W	3.5
Measuring voltage inputs			
Rated voltage (Ue)			
	phase-phase	VAC	480
	phase-neutral	VAC	277
Operating voltage range			
	phase-phase	VAC	50576
	phase-neutral	VAC	30330
Voltage inputs operational frequency			
	min	Hz	45
	max	Hz	66
Voltage inputs measurement method			True RMS
			Single. two.
Connection method			three-phase with or without neutral.
			balanced three-
			phase system
Current inputs			
Rated current (le)		А	1A/5A
Measurement range			0.011.2 /
			0.016
Measurement method			TRMS
			+20% le by
Overload capacity			external CT with
Overload peak		A	5A secondary 50A for 1s
		A	JUA IUL IS

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



FLUSH-MOUNT LCD MULTIMETER, BACKLIGHT ICON LCD DISPLAY, 72X46MM/2.8X1.8", AUXILIARY SUPPLY 100-240VAC/120-250VDC

Accuracy

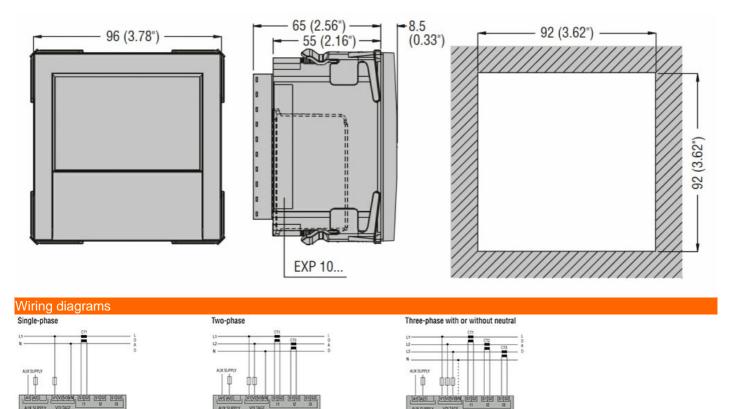
Accuracy			
	VLN voltage		±0.5%
	VLL voltage		±0.5%
	Current		±0.5%
	Frequency		±0.05%
	Active power		±0.5%
	Active energy		Class 1 (IEC/EN 62053-21)
	Reactive energy		Class 2 (IEC/EN 62053-23)
Insulations			
Rated insulation voltage Ui IEC/EN		V	480
Rated impulse withstand voltage Uimp		kV	9.5
Operating frequency withstand voltage		kV	5.2
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	320
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			

DMG500

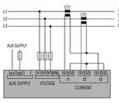
DMG500



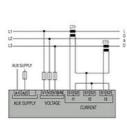




Three-phase without neutral in ARON connection



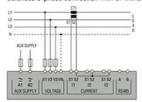
VOLTAGE



AUX SUPPL

VOLTAGE

Balanced 3-phase connection with or without neutral



AUX SUF

CODE DMG100-110-200-210-300	AUX SUPPLY 100240VAC	RS485 for DMG110 and DMG210	RS485 for DMG610	RS485 for DMG7500 and DMG9000
DMG6	110250VDC 100440VAC 110250VDC	TR A B [SG]	A 8 RS485	A B [SG
DMG7000-7500-8000-9000	100240VAC 110250VDC		norw	

Certifications and compliance

Compliance		
	IEC/EN 61000-6-2	
	IEC/EN 61000-6-3	
	IEC/EN 61010-1	
	IEC/EN 61010-2-030	
	UL61010-1	
Certificates		
	CE	
	EAC	
ETIM classification		
		EC002301 -
ETIM 8.0		Multifunction
		measuring
		instrument

DMG500