**ENERGY AND AUTOMATION** 

FLUSH-MOUNT LCD MULTIMETER, EXPANDABLE, GRAPHIC 128X80 PIXEL LCD, AUXILIARY Electric SUPPLY 100-440VAC/110-250VDC. MULTILANGUAGE: ITALIAN, ENGLISH, FRENCH, SPANISH AND PORTUGUESE



Product designation			Flush-mount LCD multimeters. expandable
Product type designation			DMG700
Туре			Three-phase + neutral
Auxiliary supply Us			
Auxiliary rated supply voltage AC		VAC	100440
Auxiliary rated supply voltage DC		VDC	110250
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	3.9
Power dissipation Max	TVICA	W	3.4
Measuring voltage inputs		• • • • • • • • • • • • • • • • • • • •	0.1
Rated voltage (Ue)			
	nase-phase	VAC	690
	ase-neutral	VAC	400
Operating voltage range	ase-neutrai	VAC	400
	acc phace	VAC	20830
·	nase-phase		
	ase-neutral	VAC	10480
Voltage inputs operational frequency			45
	min	Hz	45
W. K	max	Hz	66
Voltage inputs measurement method			True RMS
			Single. two.
Composition mothers			three-phase with
Connection method			or without neutral. balanced three-
			phase system
Current inputs			phase system
Rated current (le)		Λ	5A
		A	0.016
Measurement range			
Measurement method			TRMS
Overland consoity			+20% le by
Overload capacity			external CT with 5A secondary
Overload peak		Α	50A for 1s
			20V 101 12

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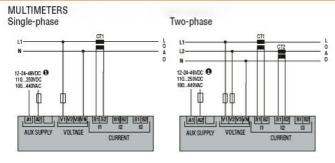
Accuracy			
	VLN voltage		±0.5%
	VLL voltage		±0.5%
	Current		±0.5%
	Frequency		±0.05%
	Active power		±1% f.s.
	Active energy		Class 1 (IEC/EN 62053-21)
ı	Reactive energy		Class 2 (IEC/EN 62053-23)
Insulations			,
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV	9.5
Operating frequency withstand voltage		kV	5.2
Mechanical features			0.2
Housing type			Polyamide
Terminals type			Removable
Conductor cross section			Nemovable
Conductor cross section			0.0
	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	510
Weight Ambient conditions		g	510
		g	510
Ambient conditions		g	510
Ambient conditions Temperature	min	g °C	-20
Ambient conditions Temperature	min max		
Ambient conditions Temperature Operating temperature		°C	-20
Ambient conditions Temperature	max	°C °C	-20 +60
Ambient conditions Temperature Operating temperature	max min	°C	-20 +60
Ambient conditions  Temperature  Operating temperature  Storage temperature	max	°C °C °C	-20 +60 -30 +80
Ambient conditions  Temperature  Operating temperature  Storage temperature  Relative humidity	max min	°C °C	-20 +60 -30 +80 <90
Ambient conditions  Temperature  Operating temperature  Storage temperature  Relative humidity  Maximum Pollution degree	max min	°C °C °C	-20 +60 -30 +80 <90 2
Ambient conditions  Temperature  Operating temperature  Storage temperature  Relative humidity  Maximum Pollution degree  Protection degree	max min	°C °C °C	-20 +60 -30 +80 <90
Ambient conditions  Temperature  Operating temperature  Storage temperature  Relative humidity  Maximum Pollution degree  Protection degree  Dimensions [mm (in)]	max min	°C °C °C	-20 +60 -30 +80 <90 2
Ambient conditions  Temperature  Operating temperature  Storage temperature  Relative humidity  Maximum Pollution degree  Protection degree  Dimensions [mm (in)]	max min max	°C °C °C %	-20 +60 -30 +80 <90 2 IP65
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Ambient conditions  Temperature  Operating temperature  Storage temperature  Relative humidity  Maximum Pollution degree  Protection degree  Dimensions [mm (in)]  26.3  19  (0.75)	max min max	°C °C °C %	-20 +60 -30 +80 <90 2 IP65
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Ambient conditions  Temperature  Operating temperature  Storage temperature  Relative humidity  Maximum Pollution degree  Protection degree  Dimensions [mm (in)]  26.3  19  (0.75)	max min max	°C °C °C %	-20 +60 -30 +80 <90 2 IP65
Ambient conditions  Temperature  Operating temperature  Storage temperature  Relative humidity  Maximum Pollution degree  Protection degree  Dimensions [mm (in)]  26.3 (1.03") 53.2 (2.09") 19 (0.75")	max min max	°C °C °C %	-20 +60 -30 +80 <90 2 IP65
Ambient conditions  Temperature  Operating temperature  Storage temperature  Relative humidity  Maximum Pollution degree  Protection degree  Dimensions [mm (in)]  96 (3.78")  96 (3.78")  96 (3.78")  97 (1.03")  19 (0.75")  19 (0.75")	max min max	°C °C °C %	-20 +60 -30 +80 <90 2 IP65
Ambient conditions  Temperature  Operating temperature  Storage temperature  Relative humidity  Maximum Pollution degree  Protection degree  Dimensions [mm (in)]  26.3 (1.03") 53.2 (2.09") 19 (0.75"	max min max	°C °C °C %	-20 +60 -30 +80 <90 2 IP65
Ambient conditions  Temperature  Operating temperature  Storage temperature  Relative humidity  Maximum Pollution degree  Protection degree  Dimensions [mm (in)]  96 (3.78")  26.3  (1.03")  26.3  (1.03")  3.2 (2.09")  (0.75")  (0.75")	max min max	°C °C °C %	-20 +60 -30 +80 <90 2 IP65

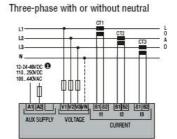
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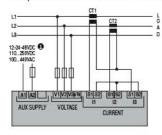
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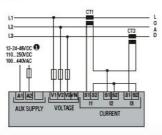
## Wiring diagrams





Three-phase without neutral in ARON connection





## Certifications and compliance

Compliance

CSA C22.2 n°14

IEC/EN 61000-6-2

IEC/EN 61000-6-4

IEC/EN 61010-1

UL508

Certificates

cULus

**EAC** 

GOST

RCM

ETIM classification

ETIM 8.0

EC002301 -Multifunction measuring instrument