MEASUREMENT TRANSDUCER, HARMONIC ANALYSIS, 4 CHANNELS, AUXILIARY SUPPLY 100-440VAC/110-250VDC, RS232/RS485 PORTS



Product designation Product type designation		Flush-mount LCD multimeters. expandable DMG900
		Three-phase +
Туре		neutral
Auxiliary supply Us		
Auxiliary rated supply voltage AC	VAC	100440
Auxiliary rated supply voltage DC	VDC	110250
Auxiliary operating voltage range		
AC		
mi -	_	90
Ma	x VAC	484
DC	- \/D0	00.5
mi Mo		93.5
Operational frequency Ma	x VDC	300
Operational frequency	n Hz	45
ma		66
Power consumption	A 112	
Ma	x VA	3.9
Power dissipation Max	W	3.4
Measuring voltage inputs		. .
Rated voltage (Ue)		
phase-phase	e VAC	690
phase-neutra		400
Operating voltage range		
phase-phase	e VAC	20830
		20830 10480
phase-phase		
phase-phase	al VAC	10480 45 and 360
phase-phase phase-phase phase-neutra Voltage inputs operational frequency mi	N Hz	10480 45 and 360 66 and 440
Phase-phase phase-neutra Voltage inputs operational frequency mi	N Hz	10480 45 and 360 66 and 440 True RMS
phase-phase phase-phase phase-neutra Voltage inputs operational frequency mi	N Hz	10480 45 and 360 66 and 440 True RMS Single. two.
Voltage inputs operational frequency mi Voltage inputs measurement method	N Hz	45 and 360 66 and 440 True RMS Single. two. three-phase with
phase-phase phase-phase phase-neutra Voltage inputs operational frequency mi	N Hz	45 and 360 66 and 440 True RMS Single. two. three-phase with or without neutral.
Voltage inputs operational frequency mi Voltage inputs measurement method	N Hz	45 and 360 66 and 440 True RMS Single. two. three-phase with or without neutral. balanced three-
Voltage inputs operational frequency mi Moltage inputs measurement method Connection method	N Hz	45 and 360 66 and 440 True RMS Single. two. three-phase with or without neutral.
Voltage inputs operational frequency mi Ma Voltage inputs measurement method Current inputs phase-phase phase phase-neutral	al VAC n Hz x Hz	45 and 360 66 and 440 True RMS Single. two. three-phase with or without neutral. balanced three-
Voltage inputs operational frequency Minima Voltage inputs measurement method Connection method Current inputs Rated current (le)	N Hz	45 and 360 66 and 440 True RMS Single. two. three-phase with or without neutral. balanced three- phase system
Phase-phase phase-neutral Voltage inputs operational frequency min ma Voltage inputs measurement method Connection method Current inputs	al VAC n Hz x Hz	45 and 360 66 and 440 True RMS Single. two. three-phase with or without neutral. balanced three- phase system
Voltage inputs operational frequency mi Woltage inputs measurement method Connection method Current inputs Rated current (le)	al VAC n Hz x Hz	45 and 360 66 and 440 True RMS Single. two. three-phase with or without neutral. balanced three- phase system 1A/5A 0.0021.2 /
Voltage inputs operational frequency mi ma Voltage inputs measurement method Connection method Current inputs Rated current (Ie) Measurement method Measurement method	al VAC n Hz x Hz	45 and 360 66 and 440 True RMS Single. two. three-phase with or without neutral. balanced three- phase system 1A/5A 0.0021.2 / 0.0110 TRMS +20% le by
Phase-phase phase-neutra Voltage inputs operational frequency mi ma Voltage inputs measurement method Connection method Current inputs Rated current (le) Measurement range	al VAC n Hz x Hz	10480 45 and 360 66 and 440 True RMS Single. two. three-phase with or without neutral. balanced three- phase system 1A/5A 0.0021.2 / 0.0110 TRMS

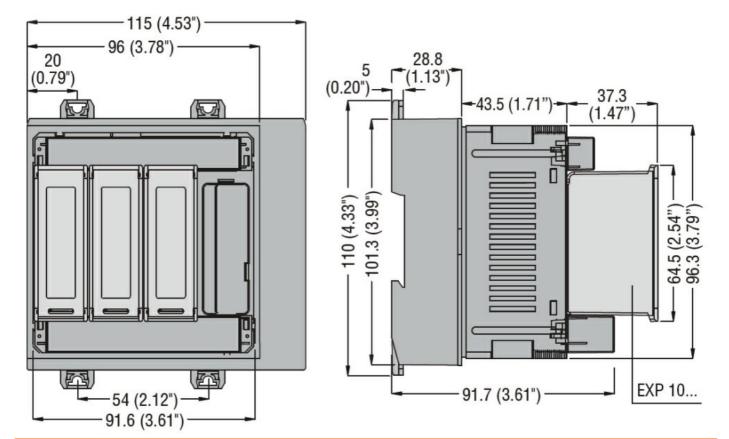
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Overload peak		Α	50A for 1s
Accuracy			
	VLN voltage		±0.2%
	VLL voltage		±0.2%
	Current		±0.2%
	Frequency		±0.05%
	Active power		±0.5% f.s.
			Class 0.5s
	Active energy		(IEC/EN 62053- 22)
	Reactive energy		Class 2 (IEC/EN 62053-23)
Insulations			
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			
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	570
Ambient conditions		9	0.0
Temperature			
Operating temperature			
Operating temperature	min	°C	-20
	max	°C	+60
Storage temperature	IIIdA		100
otorago temperature	min	°C	-30
	max	°C	+80
Relative humidity	IIIdA		<90
		/0	2
Maximum Pollution degree			
Protection degree			IP65
Dimensions [mm (in)]			

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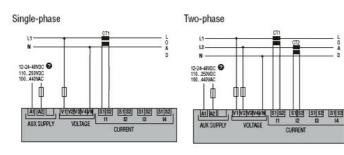
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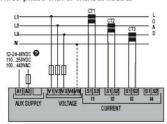
Wiring diagrams

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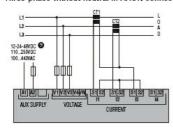
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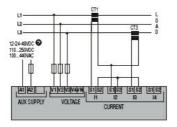


Three-phase with or without neutral



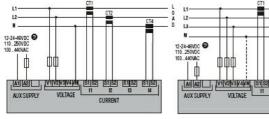
Three-phase without neutral in ARON connection





Two-phase with neutral. Measurement of neutral current and neutral-earth voltage

Three-phase with neutral. Measurement of neutral current and neutral-earth voltage



● For DMG 900... D048 only.

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