DMG900

FLUSH-MOUNT LCD TOUCH-SCREEN POWER ANALYZER, EXPANDABLE, GRAPHIC 128X112 PIXEL TOUCH-SCREEN LCD, HARMONIC ANALYSIS, 4 CURRENT CHANNELS, (NEUTRAL MEAS.) AUXILIARY SUPPLY 100-440VAC/110-250VDC. MULTILANGUAGE: ITALIAN, ENGLISH, FRENCH, SPANISH AND PORTUGUESE

Product designation			Flush-mount LCD multimeters. expandable
Product type designation			DMG900
Type			Three-phase + neutral
Auxiliary supply Us			
Auxiliary rated supply voltage AC		VAC	100…440
Auxiliary rated supply voltage DC		VDC	110…250
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		W	3.4
Measuring voltage inputs			
Rated voltage (Ue)			
	phase-phase	VAC	690
	phase-neutral	VAC	400
Operating voltage range			
	phase-phase	VAC	20…830
	phase-neutral	VAC	10…480
Voltage inputs operational frequency			
	min	Hz	45 and 360
	max	Hz	66 and 440
Voltage inputs measurement method			True RMS
Connection method			Single. two. three-phase with or without neutral. balanced three-phase system
Current inputs			
Rated current (Ie)		A	1A/5A
Measurement range			0.002…1.2 / 0.01…10
Measurement method			TRMS
Overload capacity			+20% Ie by external CT with 5A secondary
Overload peak		A	50A for 1s
Accuracy			
Measurement conditions (T +23°C ±1°C / Rel. Humidity 45 ±15% R.H.)			
	VLN voltage		±0.2%
	VLL voltage		±0.2%
	current		±0.2%
	frequency		±0.05%
	active power		±0.5% f.s.

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			active energy	Class 0.5s (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	566
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				IP65
Dimensions				
Wiring diagrams				
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

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