EMA 90

DIGITAL MEASURING INSTRUMENTS

NETWORK ANALYZER

TECHNICAL CHARACTERISTICS		EMA 90
AUXILIARY SUPPLY		
Nominal voltage Us		90 - 260 VAC/DC
Operating voltage range		±15%
Power consumption		5VA
Frequency		30 ÷ 500 Hz
VOLTAGE INPUTS		
Measurement range		10...600VAC L-L
Method of measuring		True RMS value
Measuring input impedance		2MΩ
Method of connection		Single-phase, two-phase, three-phase orbalanced three-phase system
CURRENT INPUTS		
Reference current		1A (option) or 5A
Measurement range		0,01...5A
Method of measuring		True RMS value
Overload capacity		10A by an external current transformer
Self-consumption		0,2VA
ACCURACY		
Measures	Voltage	± 0,5%
	Current	± 0,5%
	Power	± 0,5%
	Frequency	± 0,2%
	Active energy	Class 1
INSULATION		
Insulation voltage		3.7kVAC for 1 minute
DISPLAY		
Display type		Graphic LCD display
Format		128 x 128 pixel
Dimension		50 x 50 mm
AMBIENT CONDITION		
Operating temperature		-10...+50°C
Storage temperature		-15...+70°C
HOUSING		
Version		Flush mount 96 x 96 mm
Degree of protection		IP52 on front IP20 Housing and terminals
Weight		430g
CERTIFICATIONS AND COMPLIANCE		
Reference standards		EN 61010-1, EN62053-21, EN62053-22

WIRING DIAGRAMS **EMA 90**

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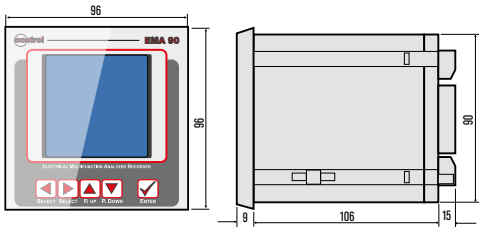
MECHANICAL DIMENSIONS **EMA 90**



OPTIONS	
ORDER CODE	DESCRIPTION
C1	Auxiliary supply 20 ÷ 60 VCA/DC
1A	Rated current inputs by external CT 1A
0.5	Active energy 0.5
H	Detailed harmonic analysis (1...31°)
MEM1	1MB data memory
4DI	4 digital inputs
2DO	2 digital outputs
2DO/R	2 relays
1 AO	1 analog output

COMMUNICATION PORTS	
485	RS485 serial interface
ETH	Ethernet interface with Web server function
PF/S	Profibus-DP interface