

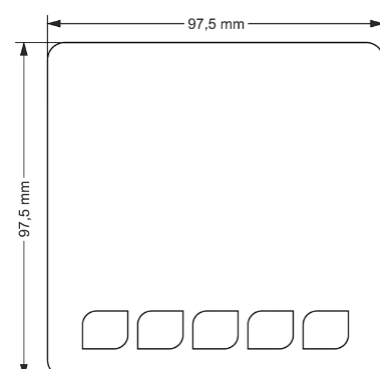
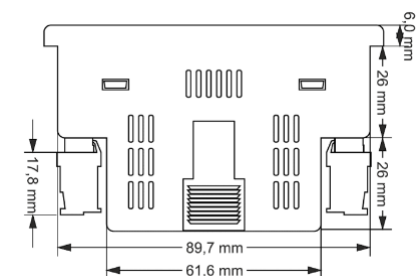
# ENERGY ANALYZER (EA-C1)



Operating Voltage	85V -250V AC
Operating Frequency	50 / 60 Hz
Operating Power	<10VA
Operating Temperature	-20°C 55°C
Voltage Input	5V - 330V AC
Voltage Measurement Range	5V - 330kV
Current Input	10mA - 5,5A
Current Measurement Range	10mA – 5,500A
Voltage Accuracy (L-L)	%±0,5
Voltage Accuracy (L-N)	%±0,5
Current Accuracy	%±0,5
Active Power Accuracy	%± 1
Reactive Power Accuracy	%± 2
THD-V Accuracy	%± 1
THDI- Accuracy	%± 1
Connection Type Supported	3P4W
Current Transformer Ratio	1....1000
Voltage Transformer Ratio	1,0,...999,9
Harmonic Voltage	3- 31
Harmonic Current	3- 31
Neutral Current Measurement	No
Real Time Clock	>5 years
Communication	RS485 MODBUS RTU 1200-38400bps
Stop Bit	1 or 2
Parity	None, Even, Odd
Display	4x4 Digit 14mm LED Display 24 x LEDs
Contact Output	2 x 3A / 250V AC [Resistive Load]
Digital input	1 X 9V – 24V DC,
Weight	<300Gr.
Protection Class	IP41[Front Panel], IP20[Body]
Panel Hole Dimensions	91mm x 91mm
Connection Type	Plug in Connection
Cable Diameter	1.5mm <sup>2</sup>
Installation	Front-mounted to the panel
Operating Altitude	<2000 meters

## FEATURES

- It measures up to 31rd voltage and current harmonics.
- Supports 3P4W connections
- RS485 Modbus RTU
- 4x4 digit LED Display
- It shows the powers of each phase and total active [P1, P2, P3, PΣ], total reactive [Q1, Q2, Q3, QΣ inductive or capacitive] & total apparent powers [S1, S2, S3, SΣ].
- It shows power factors [PF] and cosΦ values of each phase.
- It shows voltage[V] minimum (min), maximum (max) and mean values of phase-to-neutral and phase-to-phase.
- It shows total current value [I1, I2, I3, IΣ] of each phase.
- It shows total imported & exported active energy [ΣkWh] value.
- It shows total inductive & capacitive reactive energy [ΣkVARh] value.
- Relay Output Adjustable
- It shows voltage & Current unbalance
- It shows demands.
- You can delete the energies and demands.
- Menu is password protected.



**EA-C1**