

EA and CA Series Electronic Watt/Hour Meters



Class 1, Single Tariff, Outdoor Type (IP 54)

EA ve CA Series Single Tariff Electronic Watt/Hour Meters

EA and CA series electronic watt/hour meters design for use in household available as single phase version. EA and CA series electronic watt/hour meters developed to bring all the essential features of a conventional mechanic watt/hour meter plus additional features including a class one measurement accuracy. Easy of calibration and long-term stability are the features that distinguish EA and CA series.

The menus can be accessed easily through only single button on the front panel of EA and CA series. Optical port communication is an additional feature available on CA series. All information about the energy consumption, instantaneous power are available on the customized LCD. Blinking LED on the front panel indicates the rate of consumption at that instant.

EA and CA series electronic watt/hour meters case guarantees high immunity against mechanical shocks, tampers and extreme climate conditions. Immunity is ensured against surges and disturbances in the electrical network.

All measurement information about the energy consumption is independent of the direction of power flow. The energy consumption measurement shall never be effected negatively by the changing of the phase and neutral in/out connections of cables. EA and CA series electronic watt/hour meters will continue to register the energy consumption positively.

The optical interface located on the front side of CA series electronic watt/hour meter enables the authorized people to acquire the energy consumption information of the subscriber data easily.

Common Properties

Accuracy	: Class 1 (According to IEC 61036 Rev. 2000)
Protection class	: IP54 (According to IEC 60529)
Meter constant	: 1000 pulses / kWh (indicated by LED)
Number of tarif	: Single
Display	: 5 + 3 custom LCD,
Power Connection	: Ø up to 25mm ² cable
Temperature range	: -25°C / +55°C operation -40°C / +70°C limit -40°C / +70°C storage
Humidity	: %95 relative humidity
Optical port	: According to IEC 61107, communication port interface (CA Series)



Technical Data (EA Series)

	EA 1114	EA 1116	EA 1118
Connection	Single Phase, Two wire	Single Phase, Two wire	Single Phase, Two wire
Voltage	220 V ± %20	220V ± %20	220 V ± %20
Frequency	50 Hz ± %2	50 Hz ± %2	50 Hz ± %2
Base current (max)	10A	10A	10A
Maksimum Current	40A	60A	80A
Starting Current	<40 mA	<40 mA	<40 mA
Dimensions(mm.)	54x189x108	54x189x108	54x189x108

Technical Data (CA Series)

	CA 1116	CA 1118	CA 1118
Connection	Single Phase, Two wire	Single Phase, Two wire	Single Phase, Two wire
Voltage	220 V ± %20	220V ± %20	220 V ± %20
Frequency	50 Hz ± %2	50 Hz ± %2	50 Hz ± %2
Base current (max)	10A	10A	10A
Maksimum Current	40A	60A	80A
Starting Current	<40 mA	<40 mA	<40 mA
Comm. Port	Optical port	Optical port	Optical port
Dimensions (mm)	54x189x108	54x189x108	54x189x108