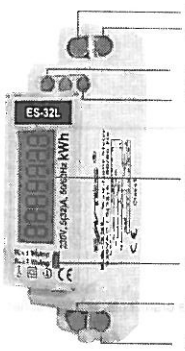
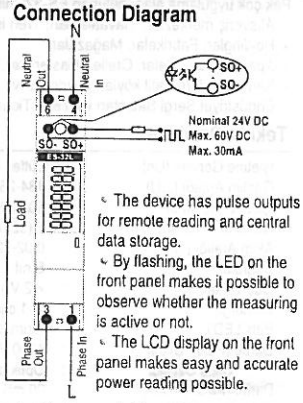
WATT-HOUR METER with LCD (SINGLE PHASE)
ES-32L

Front Panel



Connection Diagram



- The device has pulse outputs for remote reading and central data storage.
- By flashing, the LED on the front panel makes it possible to observe whether the measuring is active or not.
- The LCD display on the front panel makes easy and accurate power reading possible.

Watt-Hour Meter with LCD

In today's world, Efficient Power Management is very important for low-cost. Measuring process must have been fulfilled with certain accuracy for precise analysing and measuring the energy. ES-32L measures the active watt hour consumption directly and error free in single phase systems and it shows the total watt hour consumption.
The most important features of the device are its reliability, small size, light weight, modern design, and easy installation.

CAUTIONS

1. Connect the ES-32L's terminals as shown in connection diagram.
2. ES-32L does not require any periodical maintenance.
3. Installing, repairing and operation should be performed by authorized person.
4. Do not open the device. It does not include any parts that users can be handled by users.
5. Do not use the device out of its purpose.
6. Before operating your device, make sure that all connections are made properly.
7. Please contact your dealer for any type of service required.
8. Entes A.Ş. will not be responsible,
   - if your device fails because of improper installation.
   - if your device fails because of natural disasters (fire, lighting, etc.).
   - if your device fails because of liquid penetration into the device or contact to any liquid for any reason.
   - if the device or its software is interfered for any purposes.
   - if the serial number on the device is damaged.
   - if the device is out of order because of improper and careless use.
   - if the device is out of order defected during transportation out of Entes's responsibility.

Some applications of ES-32L are:

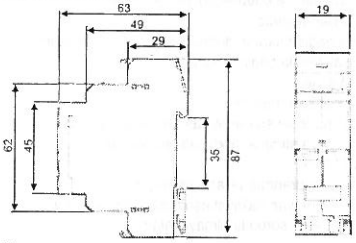
- Factories
- Shopping Malls
- Airports
- Railway Stations
- Stores
- Building Complexes
- Hotels
- Hospitals
- Schools
- Holiday Villages
- Marinas
- Industrial Exhibition Halls.

Technical Specifications

Operating Voltage (Un)	: Please look at labels on the device.
Voltage Range (ΔU)	: 184-265V AC
Operating Frequency	: 50/60 Hz.
Rated Current (In)	: 5 (32) A
Current Range (ΔI)	: 0.02-32A
Accuracy	: Class 1
Power Supply	: < 2 VA
Display	: 6+1 digit = 999999,9 kWh
Pulse LED	: When the current is more than 0.02A it blinks proportional to the consumed energy
Pulse Out	: 1000 Pulse / kWh
Out Feature	: Optical isolated NPN transistor
Pulse out width	: 20 mS.
Operating Temperature	: (-20 °C) - (+65 °C)
Cable Section	: 4 mm²
EMC / Pollution Stability	
Surge Voltage Test	: 4 kV 1.2 / 50 µs. (IEC 1000-4-5)
Burst Test	: 4 kV (IEC 1000-4-4)
Installation	: Standart DIN mount (DIN I)
Weight	: 70 gr. (excluding the packet)

It is compatible with EN62053-21 standart.

Dimensions:



Note: Should not be used for billing purposes.

CE

A4264/Rev.3