



Energy meter

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An energy meter is a device that measures the amount of electrical energy consumed by equipment and expresses the values in kwh.

Application of energy meter

In general, energy meters are used for household and industrial purposes; household energy meters have two types, single-phase and three-phase, which are included in the category of active energy meters. For industrial energy meters, reactive and double-tariff energy meters can be mentioned.

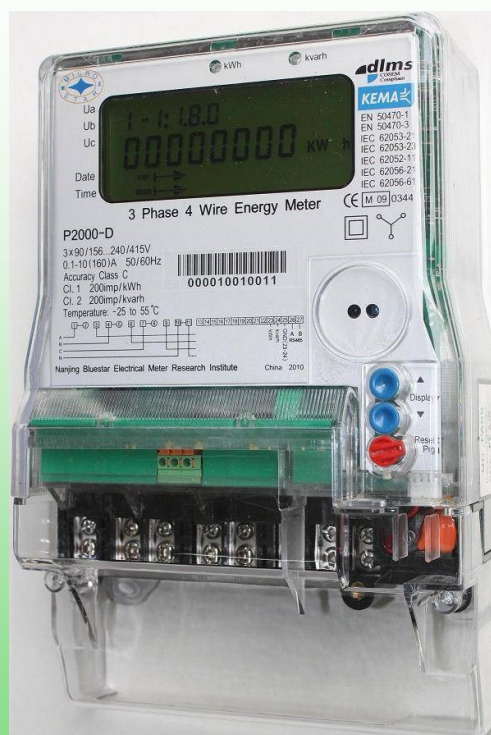
Types of energy meters

1. Mechanical (analog) energy meters

These types of energy meters are the simplest and oldest types of energy meters. They have three categories: single phase (current intensity: 5-25 amps), three-phase demand (current intensity: 5 amps), and three-phase non-demand (current intensity: 10-25 amps).

2. Digital energy meters

These energy meters are the most advanced and up-to-date energy meters. They have two types single phase (current intensity: 5-25 amps) and three-phase (demand and non-demand). Digital energy meters, because electronic circuits are used inside them, not only have no error during measurement, but they also have a multi-tariff electricity cost calculation system. The digital energy meter measures and records the amount of consumption in three periods (peak load, medium load, and low load) separately, which is one of the ways to reduce the cost of the electricity bill.





Some products of IRUS Energy Co. are:

- Single-phase digital energy meter SMI800
- Three-phase demand digital energy meter
- Secondary voltage, three-phase demand digital energy meter
- Primary voltage, three-phase demand digital energy meter
- Three-phase direct coupling digital energy meter

Purchase energy meter

Since digital energy meters and remote energy reading and management systems are among the most modern equipment that the country needs to use in recent years, IRUS Energy Co., in cooperation with the best domestic and foreign manufacturers of energy meters along with remote energy reading and management software supplies the above products and provides the best supply, installation, and support services to its customers by using its experienced personnel and domestic engineers and foreign and domestic consultants. All types of single-phase and three-phase energy meters with accuracies of 0.5, 0.2, etc., along with related software, are among the products of this company.