

## Description

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### Single Phase Energy Meter Trainer

The design can be adapted to suit specific regional requirements, e.g., power is usually distributed for residential customers as single phase, 3-wire. The meter is designed for use in single-phase, 2-wire distribution systems. This is a highly integrated system comprised of two ADC's, a reference circuit, and a fixed DSP function for the calculation of real power. This includes direct drive capability for LCD Display and a high frequency pulse output for Calibration. A highly stable oscillator is integrated into the design to provide the necessary clock for the IC.

### Features:-

- Easy diagrammatic representation of Energy Meter.
- Micro controller based LCD display.
- Test points are provided to measure the voltages at different points.
- Low Cost Trainer with high accuracy, demonstrating all the basic concepts of Single Phase Energy Measurement.
- Complete training system for in depth

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study of single phase energy meter.

- The display acts as a counter of units consumed as well as it shows the wattage of load and the time since the system has been On.
- Good quality, reliable sockets are provided at appropriate places on board for electric board supply and load connections.
- Designed with considering all safety standards.
- Provided with an extensive e-manual.

### **Technical Specifications:-**

- Maximum Current : 30 A.
- Display Counter : 100 impulses /KWh (On LCD).
- Line Voltage : 230V AC  $\pm 10\%$ , 50 Hz.
- Meter Constant : 1600 impulses/KWh (On LED).
- Shunt : 350 mW.


We are leading manufacturers, suppliers of Single Phase Energy Meter Trainer for Electronics Engineering Lab Equipments. Contact us to get high quality Single Phase Energy Meter Trainer for Electronics Engineering Lab Equipments for schools, colleges, universities, research labs, laboratories and various industries.

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