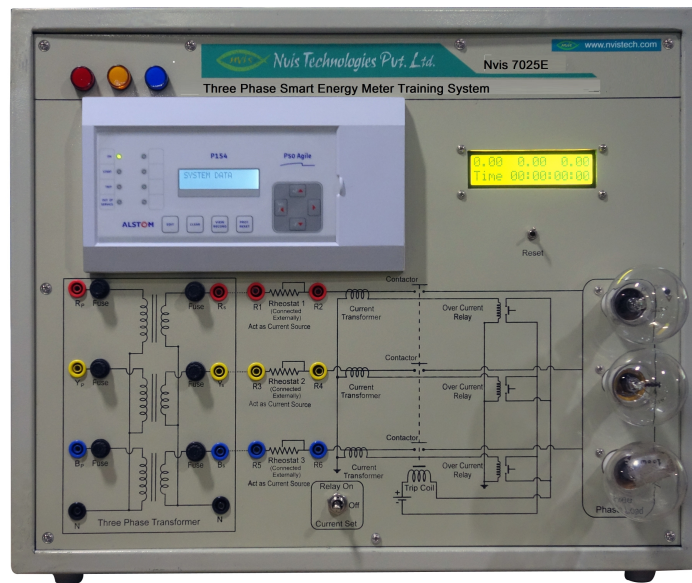




Three Phase Smart Energy Meter Training System

Nvis 7025E



* Image is for illustrative purpose and subject to change

Three Phase Smart Energy Meter Training System is designed to deliver the practical knowledge of measurement of electricity consumption in a real world with smart technology. A Smart meter is an electronic device that record information such as consumption of three phase electric energy, voltage, current, power factor, frequency, etc. Smart meter system helps to reduce energy wastage, improves communication between consumers and power supply companies.

Nvis 7025E offers a platform for remote monitoring of appliances, keep track of their energy usage and give alerts when faults occur due to any abnormal condition. There is graphical LCD to measure all the three phase parameters in a single frame. All the measured parameters are displayed on the mobile too for further monitoring. User can simulate different faults in energy meter and observe its consequences and get an opportunity to rectify these faults with practical approach.

Features

- Compact and rugged design.
- Full smart functionality.
- Remote monitoring of necessary parameters through Wi-Fi.
- Equipped with supply indicators.
- Graphical LCD to measure all the three phase parameters.
- Tamper alerts provided.
- Facility to simulate various faults with alert indications.
- Diagrammatic representation for the ease of connections.



Scope of Learning

- Study of operational working of three phase smart energy meter and its applications.
- Study of various faults simulations and protections such as
 - Tampering Indication of enclosure.
 - Magnetic Interferences.
 - Different protections schemes such as under voltage, over voltage, over current.

Technical Specifications

Mains voltage	:	415VAC \pm 10%, 50Hz
Smart energy meter		
Connection	:	3 Phase 4 wires
Rated current	:	10A
Voltage variation	:	415VAC \pm 10%, 50Hz \pm 5%
Communication topology	:	Wi - Fi
Measurement parameters	:	Voltage, current, power, power factor, energy, frequency, etc.

Optional

3.5KW resistive load