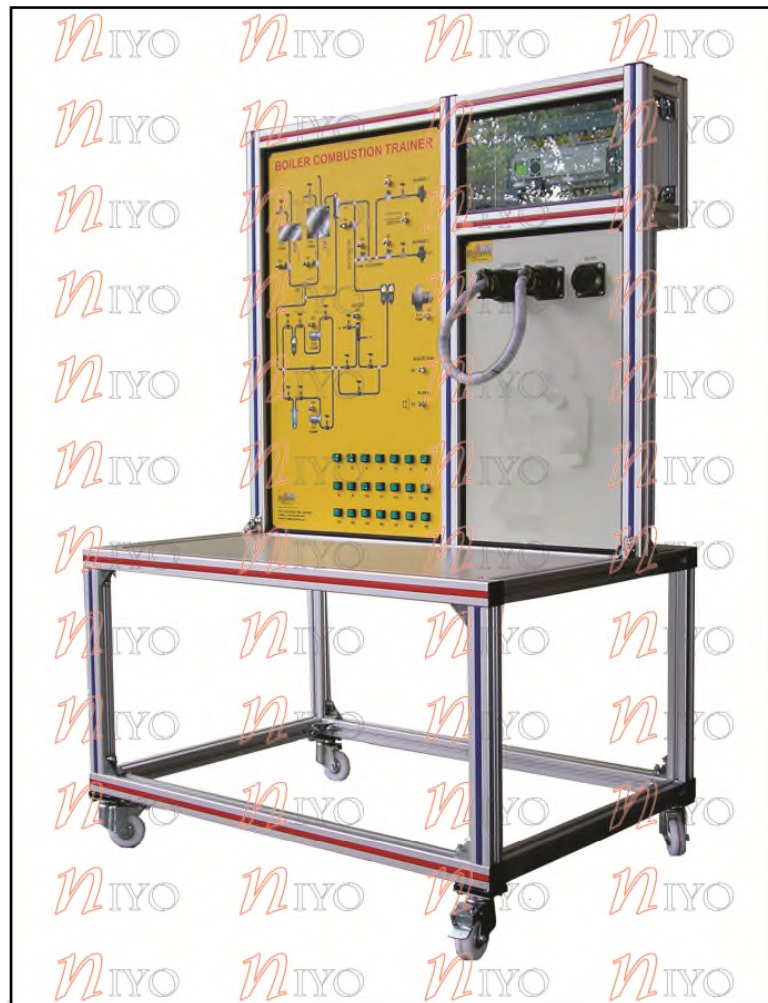# PLC BASED BOILER FIRING SEQUENCE SIMULATOR

MODEL: SAH10

FEATURES

- Robust and sturdy construction
- Easy and versatile operation
- Self contained system with complete instrumentation
- Incorporates standard industrial components

DESCRIPTION

The programmable logic controller based module is specially designed to help the students understand the basic principles boiler firing sequence, logic control and to enable them to write their own ladder logic programmes on the system. All the inputs and outputs are optically isolated to protect the PLC from electrical spikes.

A mimic diagram of boiler firing sequence is provided along with its software. Here the students can understand boiler firing sequence by way of simulation. There is a facility to create fault to get better understanding the boiler combustion sequence. These faults are, air fail fault, ignition fault and level low fault

Additionally one can get good experience of programmable logic controllers used in industry. Students can write a ladder logic and verify its operation by simulator.

INSTRUCTION MANUAL

Self explanatory operating manuals are provided with each system. Detailed theory as well as practical exercises are also included in the manual.

COMPONENTS

1.   Boiler firing sequence mimic with simulation facility
2.   PLC with output indicators
3.   PC interface cable
4.   Input simulator
5.   Ladder diagram software

SERVICES REQUIRED

1.   Electric supply 230 V AC, 50 Hz