

Portable Energy Audit Tool (PEAT)

Energy efficiency is one of the key components of meeting the challenges of energy sector to meet the demand supply gap. For establishing baseline data associated with energy saving proposals, real time measurement of electrical and physical parameters is necessary. Since affordable logging equipment is not available, the energy saving proposals are usually based on the data provided. The Portable Energy Audit Tool has been developed keeping in view the requirements of energy auditors to log various parameters.

The PEAT can log different parameters (electrical energy, temp, pressure, flow etc.) i.e. by taking signals from the existing transmitters and enables display of real time data. It has a capability to log for 72 days. The data logged in the system can be downloaded into a PC through a serial port. The system supports standard Industrial MODBUS protocols. The application software developed on the PC has the features for establishing the communication with the data logger, generating off-line trend graph, bar & Pie chart, on-line data display and graphs, alarm setting.

PEAT is a handy and portable tool for energy auditors & energy managers for demonstrating and validating the concepts of energy savings proposal. This product will help to improve the efficiency of many utilities like motors, compressors etc.

