



P7667 BOILER SIMULATION SOFTWARE

INTRODUCTION

Cussons P7667 boiler simulation software allows students to investigate the operation of a steam generation plant.

Altering the system properties allows the user to simulate a wide range of boiler systems for periods up to 24 hours and adjustments to the operating parameters may be made whilst the simulation is running to allow the investigation of transients on the system.

Results from the simulation may be saved manually or automatically to allow subsequent viewing and printing. The results are saved in 'tabbed text' format to allow importing into spreadsheet programs that the student may be familiar with, such as Microsoft Excel®, which will allow further analysis and production of graphs.

The software may be used in conjunction with Cussons P7665 Boiler Control Demonstration and Fault Simulation unit, which will interact with the simulation software and enables the introduction of faults into the operation of the system. This requires that interface cards be fitted to the P7665 and the PC to allow their interconnection.

DESCRIPTION

Cussons P7667 comprises software on CD, Personal Computer, PCI Interface Card including User Guide and driver software on CD, Cables, Interface Card for P7665 and this instruction manual.

An animated mimic diagram illustrates the operation of the steam boiler simulation, which utilises the devices typically used in boiler systems. System variables and operating parameters may be accessed and modified by the user.

Measured results may be displayed at their respective locations on the mimic diagram and data may be stored whenever required by the user or automatically at a fixed time interval.

When connected to Cussons P7665 Boiler Control Demonstration and Fault Simulation unit, a comprehensive unit allowing students to investigate the utilisation and maintenance of a boiler system, is realised.