

Product Name :
Computerized Educational Equipment On The Thermal
Solar Refrigeration Cycle

Product Code :
CHINAELABC2870005



Description :

Computerized Educational Equipment On The Thermal Solar Refrigeration Cycle

Technical Specification :

The Computerized Educational Equipment On The Thermal Solar Refrigeration Cycle is one of the most interesting applications of solar thermal energy because it is able to use the solar energy and, via an absorption cycle, to convert the energy in a source of cold that can be used for food conservation chain, air conditioning, chilling water and in general in all the applications of refrigeration and conditioning purposes without the use of electrical energy.

Owing the peculiarity of the plant able to use the solar energy to convert it in a source of cold, the plant is particularly interesting in all the countries of the equatorial area, where the sun is the main energy source and the coverage of the electrical network is scarce.

The Computerized Educational Equipment On The Thermal Solar Refrigeration Cycle has been designed and manufactured by Italia to allow the experimental study of an absorption refrigeration plant using solar energy as energy source.

The solar energy is captured by a cylindrical parabolic solar concentrator in which the parabola axis is constituted by a high thermal conductivity tube and black colour containing an adequate liquid able to capture the solar energy increasing its temperature.

Engineering Lab China

