

Product Name :
Flat Plate Solar energy Collector

Product Code :
NLAB-ENGINEERINGLB29002



Description :

Flat Plate Solar energy Collector

Technical Specification :

Flat Plate Solar energy Collector Lab Equipments Manufacturer, Suppliers & Exporters Description of Flat Plate Solar energy Collector

A Flat Plate Solar Collector similar to those used for heating swimming pools or domestic hot water is mounted on an adjustable frame. Flat Plate Solar Collector unit is designed for internal or external operation. For internal operation an artificial solar source is available on application as an optional extra.

An instrumentation and water circulating console is attached to the panel under test via flexible hoses and this displays all of the relevant measured parameters.

Experimental Capabilities of Flat Plate Solar energy Collector

Measuring the efficiency of a Flat Plate Solar Collector

With the optional focussing collector, comparison of the efficiency with a flat plate collector.

Analysis of the efficiency and heat losses of the collector in use.

Study of the variation of incident energy on the collector and collector inclination.

With the addition of optional computerised data acquisition the daily variation of incident energy and system performance.

Specification of Flat Plate Solar energy Collector

An adjustable frame mounted Flat Plate Solar Collector with remote instrumentation and water circulation console. Instrumentation must include water flow rate, flow and return temperatures and incident solar radiation. An optional Flat Focussing Type Solar Collector must also be available together with an optional computerised data acquisition system

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