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Product Name :
Flat Plate Solar energy Collector

Product Code :
LBNY-0005-18400037



Description :

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.

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

Experimental Capabilities:

Measuring the efficiency of a Flat Plate Solar Collector

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

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

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

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

Technical Specification :

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



Laboratory Instrument India