

Product Code . ILS-ELE-10657

Flat Plate Solar Energy Collector



Description

Flat Plate Solar Energy Collector




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. 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. Flat Plate Solar Collector unit is designed for internal or external operation.

Experimental Capabilities of Flat Plate Solar Energy Collector

- Measuring the efficiency of a Flat Plate Solar Collector.
- With the addition of optional computerised data acquisition the daily variation of incident energy and system performance.
- 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 optional focussing collector, comparison of the efficiency with a flat plate collector.

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