

(PREVIEW)

IS 12933 (part 3) : 2003

Indian Standard

**SOLAR FLAT PLATE COLLECTOR-SPECIFICATION
PART 3 MEASURING INSTRUMENTS**

(*First Revision*)

1 SCOPE

1.1 This standard (Part 3) specifies the measuring instruments for solar flat plate collector for water heating.

1.2 This standard does *not* apply to the following:

- a) Collector in whom heat transfer fluid may change phase, that is, the collectors designed for normal fluid temperature above 100°C with water as the heat transfer fluid;
- b) Concentrating collectors, used in a system designed to generate mechanical energy/ electricity;
- c) Collectors in which the thermal storage unit is an integral part of the collector so that the collection and the storage processes cannot be separated;
- d) Unglazed flat plate collector;
- e) Installation or mounting of solar collectors; and
- f) Tracking mechanism of the sun following collector system.

2 REFERENCES

The following standards contain provisions, which through reference in this text, constitute provision of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below:

<i>IS NO.</i>	<i>Title</i>
2806 : 1992	Guide to electrical resistance thermometry (<i>first revision</i>)
3636 : 1966	Method of test for temperature coefficient of precision resistor wires
8336 : 1977	Thermoelectric pyranometer
12934 : 1990	Solar energy - thermal applications - Vocabulary