
**Solar energy — Specification and
classification of instruments for
measuring hemispherical solar and
direct solar radiation**

*Énergie solaire — Spécification et classification des instruments de
mesurage du rayonnement solaire hémisphérique et direct*

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Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Instruments to measure hemispherical solar radiation — Pyranometers	3
4.1 General physical design.....	3
4.2 Types.....	4
4.3 Classification.....	4
4.3.1 General.....	4
4.3.2 Pyranometer specifications.....	5
4.3.3 Classification criteria.....	7
4.3.4 Identification of classification.....	8
5 Instruments to measure direct solar radiation—Pyrheliometers	8
5.1 General physical design.....	8
5.2 Types.....	9
5.2.1 Absolute pyrheliometer.....	9
5.2.2 Compensation pyrheliometer.....	9
5.2.3 Pyrheliometers without self-calibration capability.....	9
5.3 Classification.....	9
5.3.1 General.....	9
5.3.2 Pyrheliometer specifications.....	10
5.3.3 Classification criteria.....	10
5.3.4 Identification of classification.....	11
6 Final remarks	12
Annex A (informative) Comments on the specifications given in Tables 1 to 2	14
Bibliography	18

Foreword

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This document was prepared by Technical Committee ISO/TC 180, *Solar energy*, Subcommittee SC 1, *Climate — Measurement and data*.

This second edition cancels and replaces the first edition (ISO 9060:1990), which has been technically revised. The main changes compared to the previous edition are as follows:

- in addition to thermopile radiometers, other technology options have been included such as photoelectric sensors as long as they fulfil the requirements specified in this document;
- the spectral error is used to characterize the spectral responsivity;
- to further characterize the radiometers, the additional properties “spectrally flat” and “fast response” can be added to the classification if the radiometers fulfil specific criteria;
- more intuitive names have been introduced for the classes: “A”, “B”, “C”.

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