

INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 1 AMENDEMENT 1

**Methods of measurement and declaration of the detection range of detectors –
Passive infrared detectors for major and minor motion detection**

**Méthodes de mesure et qualification de la plage de détection des détecteurs –
Détecteurs infrarouges passifs pour la détection de mouvements de forte et de
faible amplitude**

[IEC 63180:2020/AMD1:2025](https://standards.iteh.ai/catalog/standards/iec/29fae2b1-fe24-4620-8fec-cffb81e42e1e/iec-63180-2020-amd1-2025)

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

METHODS OF MEASUREMENT AND DECLARATION OF THE DETECTION RANGE OF DETECTORS –

Passive infrared detectors for major and minor motion detection

AMENDMENT 1

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Amendment 1 to IEC 63180:2020 has been prepared by subcommittee 23B: Plugs, socket-outlets and switches, of IEC technical committee 23: Electrical accessories.

The text of this Amendment is based on the following documents:

Draft	Report on voting
23B/1491/CDV	23B/1509A/RVC

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this Amendment is English.

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INTRODUCTION to Amendment 1

This amendment includes the following significant technical changes with respect to the base edition:

- a) improvement of general tolerances of the test environment and test equipment;
- b) definition of the rotating point of the test arm;
- c) addition of the recommended mounting heights for performing the tests;
- d) addition of acceleration and deceleration speeds for scaled dummies;
- e) modification of the pre-conditioning test at minimum and maximum declared ambient temperature with new performance criteria;
- f) addition of an alternative test procedure for large tangential major motion detection areas.

3 Terms and definitions

3.8 detection area

Replace the title of Figure 3 with:

Figure 3 – Example of detection area

4 General requirements on tests

Add "1" to the first note in Clause 4, as follows:

NOTE 1 A modification of the detector software with a minimum value of 5 s for the delay-time can be necessary to shorten the test time in total.

Add "2" to the second note in Clause 4, as follows:

NOTE 2 Type tests are defined in IEC 60050-581:2008, 581-21-08.