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Optics and photonics — Environmental test methods —

Part 3: Mechanical stress

AMENDMENT 1

iTeh STANDARD PREVIEW Optique et photonique — Méthodes d'essais d'environnement — (StPartie 3: Contraintes mécaniques

AMENDEMENT 1 ISO 9022-3:2015/Amd 1:2020

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This document was prepared by Technical Committee ISO/TC 172, *Optics and Photonics*, Subcommittee SC 1, *Fundamental standards*. ISO 9022-3:2015/Amd 1:2020 https://standards.iteh.ai/catalog/standards/sist/b3ae929b-373b-497e-9f8c-

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4.5

Replace 4.5 by the following:

4.5 Conditioning method 34: Bounce

See <u>Table 6</u>.

The test shall be carried out according to IEC 60068-2-55. All degrees of severity in <u>Table 6</u> refer to testing with either a bounce table, or an electrodynamic/servo-hydraulic testing facility.

When using a bounce table, use a double amplitude of 25,5 mm \pm 0,5 mm and a frequency of 4,75 Hz ± 0,05 Hz.

(standards.iteh.ai) When using an electrodynamic/servo-hydraulic testing facility, excite with a digitally controlled mixed mode vibration spectrum. This spectrum is a sine over random with 1,1 g acceleration at a sweeping frequency from 8 Hz to 12 Hz with 3 octaves per minute and 0,04 g²/Hz¹) acceleration power spectral density from 5 Hz to 20 Hz. 29459fd13fa5/iso-9022-3-2015-and-1-2020

Table 6 —	Degrees of s	everity for	conditioning	method 34: Bounce
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Degree of severity ^a		01	02	03		
Exposure time	min	15	60	180		
	Acceptable deviation	±10 %				
State of operation		0 or 1				
^a The degree of severity printed in boldface shall be given preference. The period of exposure shall be allocated in equal portions to each of the surfaces to be exposed.						

¹⁾ The acceleration power spectral density was determined experimentally with different test samples.

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