

SLOVENSKI STANDARD
SIST EN IEC 60404-16:2018/AC:2019
01-marec-2019

Magnetni materiali - 16. del: Metode merjenja magnetnih lastnosti amorfnega traku na osnovi železa z uporabo enolistnega preskuševalnika - Popravek AC (IEC 60404-16:2018/COR1:2018)

Magnetic materials - Part 16: Methods of measurement of the magnetic properties of Fe-based amorphous strip by means of a single sheet tester (IEC 60404-16:2018/COR1:2018)

Magnetische Werkstoffe - Teil 16 : Verfahren zur Messung der magnetischen Eigenschaften von eisenbasiertem, amorphem Band unter Verwendung eines Tafelmessgerätes (IEC 60404-16:2018/COR1:2018)

Matériaux magnétiques - Partie 16: Méthodes de mesure des propriétés magnétiques des bandes en alliage amorphe à base de fer à l'aide de l'essai sur tôle unique (IEC 60404-16:2018/COR1:2018)

Ta slovenski standard je istoveten z: EN IEC 60404-16:2018/AC:2018-12

ICS:

17.220.20	Merjenje električnih in magnetnih veličin	Measurement of electrical and magnetic quantities
29.030	Magnetni materiali	Magnetic materials

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

**EN IEC 60404-
16:2018/AC:2018-12**

December 2018

ICS 17.220.20; 29.030

English Version

**Magnetic materials - Part 16: Methods of measurement of the
magnetic properties of Fe-based amorphous strip by means of a
single sheet tester
(IEC 60404-16:2018/COR1:2018)**

Matériaux magnétiques - Partie 16: Méthodes de mesure
des propriétés magnétiques des bandes en alliage amorphe
à base de fer à l'aide de l'essai sur tôle unique
(IEC 60404-16:2018/COR1:2018)

Magnetische Werkstoffe - Teil 16 : Verfahren zur Messung
der magnetischen Eigenschaften von eisenbasiertem,
amorphem Band unter Verwendung eines
Tafelmessgerätes
(IEC 60404-16:2018/COR1:2018)

This corrigendum becomes effective on 21 December 2018 for incorporation in the English language version of the EN.

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Endorsement notice

The text of the corrigendum IEC 60404-16:2018/COR1:2018 was approved by CENELEC as EN IEC 60404-16:2018/AC:2018-12 without any modification.

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INTERNATIONAL ELECTROTECHNICAL COMMISSION
COMMISSION ÉLECTROTECHNIQUE INTERNATIONALEIEC 60404-16
Edition 1.0 2018-03IEC 60404-16
Édition 1.0 2018-03

MAGNETIC MATERIALS –

Part 16: Methods of measurement of the
magnetic properties of Fe-based amorphous
strip by means of a single sheet tester

MATÉRIAUX MAGNÉTIQUES –

Partie 16: Méthodes de mesure des propriétés
magnétiques des bandes
en alliage amorphe à base de fer à l'aide de
l'essai sur tôle unique

CORRIGENDUM 1

Corrections to the French version appear after the English text.

Les corrections portant sur la version française figurent après le texte anglais.

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Replace Formula (2) with the following new formula:

$$J(t) = \frac{1}{N_2 A} \left\{ \int_0^t U_2(\tau) d\tau - \frac{1}{T} \int_0^T \left(\int_0^t U_2(\tau) d\tau \right) dt \right\} \quad (2)$$

Add, after Formula (2), at the end of the paragraph beginning with "where", the following line:

 τ is an auxiliary time variable.

Replace Formula (3) with the following new formula:

$$H(t) = \frac{1}{\mu_0 (N_H A_H)} \left\{ \int_0^t U_H(\tau) d\tau - \frac{1}{T} \int_0^T \left(\int_0^t U_H(\tau) d\tau \right) dt \right\} \quad (3)$$

Add, after Formula (3), at the end of the paragraph beginning with "where", the following line:

 τ is an auxiliary time variable.

Replace Formula (B.4) and the existing line of text below it with the following two new formulas and the new text between them:

$$h_j = h'_j - \frac{1}{n} \sum_{k=0}^{n-1} h'_k \quad (\text{B.4})$$

The second term of Formula (B.4) is the average over the length of a period which compensates for the integration constant. The signal h'_j is the result of the integration of the digitalized voltage measured at the H-coil which includes the integration constant and is to be calculated as follows:

$$h'_j = \frac{1}{\mu_0 f_s (N_H A_H)} \sum_{k=0}^j u_{Hk} \quad (\text{B.4A})$$

Replace Formula (B.5) and the line text before it with the following new line text and new formula:

The magnetic polarization $J(t)$ can be calculated by using

$$J(t) = \frac{1}{N_2 A} \left\langle \int_0^t U_2(\tau) d\tau - \frac{1}{T} \int_0^T \left(\int_0^t U_2(\tau) d\tau \right) dt \right\rangle \quad (\text{B.5})$$

Add the following text after the new Formula (B.5):

where

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τ is an auxiliary time variable.