

INTERNATIONAL ELECTROTECHNICAL COMMISSION
COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

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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.

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

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

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

where

τ is an auxiliary time variable.