EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 62044-2:2005/AC:2021-06

June 2021

ICS 29.100.10

English Version

Cores made of soft magnetic materials - Measuring methods - Part 2: Magnetic properties at low excitation level (IEC 62044-2:2005/COR1:2021)

Noyaux en matériaux magnétiques doux - Méthodes de mesure - Partie 2: Propriétés magnétiques à niveau d'excitation faible
(IEC 62044-2:2005/COR1:2021)

Kerne aus weichmagnetischen Materialien - Messverfahren - Teil 2: Messungen der magnetischen Eigenschaften im Signalapplikationsbereich
(IEC 62044-2:2005/COR1:2021)

This corrigendum becomes effective on 11 June 2021 for incorporation in the English language version of the EN.

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 62044-2:2005/COR1:2021 was approved by CENELEC as EN 62044-2:2005/AC:2021-06 without any modification.

INTERNATIONAL ELECTROTECHNICAL COMMISSION

COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

_____

IEC 62044-2
Edition 1.0 2005-03

CORES MADE OF SOFT MAGNETIC MATERIALS – MEASURING METHODS –

Part 2: Magnetic properties at low excitation level

IEC 62044-2
Édition 1.0 2005-03

NOYAUX EN MATÉRIAUX MAGNÉTIQUES DOUX – MÉTHODES DE MESURE –

Partie 2: Propriétés magnétiques à niveau d'excitation faible

CORRIGENDUM 1

Corrections to the French version appear after the English text.

Les corrections à la version française sont données après le texte anglais.

3.1

Replace Formula (2) with the following:

$$V_{\mathrm{m}} = \sqrt{\sum_{n=2}^{\infty} V_n^2}$$

3.2

Replace Formula (3) with the following:

$$THD_{\mathrm{F}} = 20 \lg \left(\frac{V_{\mathrm{m}}/V_{\mathrm{f}}}{\mu_{\mathrm{ea}} \cdot CCF} \right)$$

Replace Formula (4) with the following:

$$V_{\mathrm{m}} = \sqrt{\sum_{n=2}^{\infty} V_n^2}$$

IEC 62044-2:2005-03/COR1:2021-05 (en-fr)

12.2 Measuring coil

Replace, in item a), the first sentence with the following:

Coils for cores consisting of more than one part shall, when possible, be designed so that the frequency at which Q is maximum for the core-coil combination is much lower than the measuring frequency, so that the coil loss can be neglected.