

INTERNATIONAL ELECTROTECHNICAL COMMISSION
COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

IEC 62044-3
Edition 1.0 2000-12

**CORES MADE OF SOFT MAGNETIC MATERIALS
– MEASURING METHODS –**

**Part 3: Magnetic properties at high
excitation level**

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**NOYAUX EN MATÉRIAUX MAGNÉTIQUES DOUX –
MÉTHODES DE MESURE –**

**Partie 3: Propriétés magnétiques à niveau
élevé d'excitation**

CORRIGENDUM 1

Corrections to the French version appear after the English text.

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

6.3.2.2 Multiplying methods

Replace Table 1 with the following new table:

Measuring method	Domain of			Subclause of Annex C
	useable excitation waveform	acquisition	processing	
V-A-W meter	Sinusoidal	Time	Time	C.4
Impedance analyser	Sinusoidal	Not applicable	Not applicable	C.5
Digitizing	Arbitrary	Time	Time	C.6
Vector spectrum	Arbitrary	Frequency	Frequency	C.7
Cross-power	Arbitrary	Time	Frequency	C.8

B.4 Measuring procedure

Replace the formula and text with the following new formula and text:

$$P = \overline{(u \times i)} = \frac{|U_1^2 - U_2^2|}{4 \cdot \frac{N_3}{N_1} \cdot R}$$

where

$\overline{(u \times i)}$ is the time-averaged product of the instantaneous values of voltage induced by the excitation in the measuring coil assembled with the core and the current through the exciting winding;