

Testing and calibration of magnetic measuring instruments

Determination of properties of electrical sheet steel			
Quantity	Range	Conditions of measurement	Relative uncertainty
frequency setting	16 Hz to 400 Hz		$1 \cdot 10^{-4}$
polarization setting (peak value)	0,1 T to 1,9 T		$5 \cdot 10^{-4}$
field strength setting (peak value)	5 A/m to $1 \cdot 10^4$ A/m		$5 \cdot 10^{-4}$
specific total loss	0,1 W/kg to 100 W/kg		$1 \cdot 10^{-3}$ to $1 \cdot 10^{-2}$
peak value of polarization	0,1 T to 2 T		$5 \cdot 10^{-4}$
peak value of magnetic field strength	5 A/m to $1 \cdot 10^4$ A/m		$5 \cdot 10^{-4}$
specific apparent power	0,1 VA/kg to 300 VA/kg		$5 \cdot 10^{-4}$ to $1 \cdot 10^{-3}$

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Measuring system for electrical sheet steel

Measurements of the quality characteristics of electrical sheet steel

