

MATS-2010SA

Soft Magnetic Material Dynamic Hysteresisgraph System

Model MATS-2010SA



Automatic measurement on hysteresis loop of soft magnetic material under dynamic (AC) condition, accurate measurement on dynamic magnetic characteristic parameters such as amplitude permeability μ_a , loss angle δ , iron loss P_c , remanence B_r and coercive force H_c .

Windows measurement software applied simply. It conforms to China National Standards GB3658 - 83, GB5026 - 85 and GB9632 - 88, industry standard SJ / T10281 - 91 and international standard IEC60404 - 6.

Analog source (bridge), frequency indicator, ammeter, voltmeter and wattmeter are replaced through computer control and high speed A/D sampling, entire testing process automatically completed.

General Features

Software Features

Software Screen

Technical Data

Standard Package

MATS2010 - SMTest

File Edit View Measure Print Help

Sample Wave

Sample Wave Hysteresis Loop Magnetization Curve Core Loss Curve

FileName	Number	Freq(Hz)	Ua(k)	D(deg)	Ps(kW/m ³)	Br(mT)	B
a12.dat	LZ	50k	5.32	13.72	862.8	96.56	
a11.dat	LZ	50k	5.302	13.5	661.3	87.68	
a10.dat	LZ	50k	5.176	13.08	482.6	71.33	

EE EI Ring RID

Type: (New Type)

A(mm)	B(mm)	C(mm)	D(mm)
29.5	22.5	7.5	6.5

N1: 4 (T) N2: 2 (T)

Plan: (New Plan)

DC Test AC Test

Define B Fixed Freq
 Define H Fixed Bm

F: 50k (Hz) Cluster

Points	Bm1(m)
1	400

Num: 17 RT: 20 (MHz)

Testing Print Close

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