

## 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  $\mu_a$ , loss angle  $\delta$ , 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

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: 7 RT: 20 (DEF)

Testing Print Close

Sample Wave Hysteresis Loop Magnetization Curve Core Loss Curve

FileName	Number	Freq(Hz)	Ua(k)	D(deg)	Ps(kW/m <sup>3</sup> )	Br(mT)	B
a12.dat	LZ	50k	5.32	13.72	862.8	96.56	
a11.dat	LZ	50k	5.302	13.5	861.3	87.68	
a10.dat	LZ	50k	5.176	13.08	482.6	71.33	

