MAGNETS

Machinery

MATS-2O1OM

Soft Magnetic Material Dynamic Hyteresisgraph System

Model MATS-2010M

Automatic measurement on dynamic hysteresis loop of soft magnetic (silicon steel) material under 50Hz, 60Hz, 400Hz and 1kHz, accurate measurement on dynamic magnetic characteristic parameters such as amplitude permeability μ a, loss angle δ, total losses Ps, remanence Br and coercive force Hc.

Windows measurement software applied simply. The product conforms to China National Standards GB / T3655 - 92, GB / T13789 - 92 and international standard IEC60404 - 6.

Analog source (bridge), frequency meter, ammeter, voltmeter and wattmeter are replaced through computer control and 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   Steel

25cm Epstein Frame
L:Length of the steel sheet
Ee:Eddy efficiency
De:Density of the material

Type: (New Type)

L(mm)	Ee	De	W(g)
300	0	7.6	1047

N1: 700 (T)   N2: 700 (T)

Plan: (New Plan)

DC Test   AC Test

○ Define B   ● Fixed Freq
○ Define H   ○ Fixed Bm

F: 50 ▼ (Hz)   □ Cluster

Points	Bm1(T)
1	1

	FileName	Number	Freq(Hz)	Ua(k)	D(deg)	Ps(kW/m^3)	Br(T)	B
I	BY06.dat	CI40-30	50	26.04	47.85	6.638	1.405	
	BY05.dat	CI40-30	50	40.93	60.39	2.905	0.9046	
	BY04.dat	CI40-30	50	39.97	65.81	3.17	0.9465	
	BY03.dat	CI40-30	50	12.52	25.16	7.475	1.507	
	BY02.dat	CI40-30	50.08	42.77	41.87	4.715	1.21	

Sample Wave | Hysteresis Loop | Magnetization Curve | Core Loss Curve

Num : CI40-3(RT : 20 (DEG)

Testing   Print   Close

联众 09:36:12 SMTest.ind   BY06.dat   D:\Test\DATA\

start   MATS2010 - SMTest   9:36 AM

Magnetizing systems coil,fixures for injection bonded Ferrite ndfeb alnico smco magnet,