

MAGTRANS now offers you the complete Magnetic Measurement solutions from DEXINMAG

Xiamen Dexing Magnet Tech. Co., Ltd., is an ISO 9001-2015 is a high-tech company with excellent quality and comprehensive services in the international magnetic measurement industry. We Supply Digital Tesla meter/Gauss meter, Hall effect measurement system, Flux gate magnetometer, Helmholtz coil, NMR Permanent magnet, Solenoids, Precision current source, Lock-in amplifier, Weak Magnetic Shielding system, AC/ DC magnetic field control system to leading Education and Research Institutions, Industry leading Test and Measurement Customers and High End Research Labs.

MAGTrans Systems Private Limited is an ISO 9001-2015 company with 45 years of experience representing National and International reputed companies in supply, service and maintenance of Intelligent Process Cooling Solutions, Testing, Measuring & Analytic equipment, Reliability & Environmental Testing Equipment and a complete product range of Magnetic Measurement instruments & Systems in India.

DexinMag also offers a cost-effective alternative to expensive replacement parts in your existing magnetic measurement systems. Our high-performance products integrate seamlessly with minimal programming, lowering maintenance and upgrade costs for research, defense, aerospace, and scientific institutions in India.

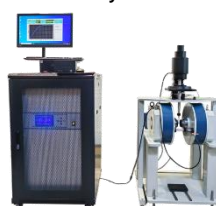
Product Range of Magnetic Measurement Solutions

Closed Cycle Cryostat

Models	Specifications
DX 101D, DX 101D-4W, DX 305D, DX 305D-4W, DX 408D2, DX 408D2-4W	Cooling Time as low as 60min to 4K Temperature Range: 4-325K Cooling power upto 30W@4.5K Power Consumption: 6.5-7.2KW Three-phase: 380V 50/60Hz Cooling Water flow: 7-10L/min Cooling method air cooled or water cooled Cooling Water Temperature if needed : 4-28°C



Cryostat



Vibrating Sample Magnetometer

Vibrating Sample Magnetometer

Models	Specifications
DXV-100, 130, 175, 220, 250, 300, 380, 400, 9000	VSM to measure materials properties, hysteresis loop, magnetisation curve, heating cooling, curve, coercivity, magnetic energy products, Curie temperature, permeability, even at liquid nitrogen & high temperature. Max Magnetic Field Strength in 35mm Air Gap: 0.8-3T Magnetic moment range: 35*10 ⁻⁹ emu to 103 emu Sensitivity: 10 ⁻⁷ emu to 5*10 ⁻⁵ emu Relative accuracy, Repeatability, Stability: 30emu ± 0.5-1% Temperature Range: -196 to 900°C

Magneto-Optical Kerr Effect Magnetic Measurement System

Models	Specifications
DX MOKE Surface System	Kerr angle resolution: less than 0.001 degrees; Ellipse resolution: less than 0.1%; Minimum spot: 10 microns; Maximum magnetic field: 2.2T (select EM7 electromagnet); Rotation angle step 0.1 degrees, and the up, down, left, and right displacement steps are 10 microns; Noise: less than 1%. Temperature range: 100K ~ 300K; Local property characterization area 220 nm



MOKE Magnetic Measurement



Dielectric Measurement System

Dielectric Measurement System

Models	Specifications
DMS30 Dielectric System with high and low temperature option	Input Voltage: 110~220V Temperature range: -185 ~ 600°C Test Frequency: 20Hz~10MHz Heating method: DC electrode heating Cooling method: Water cooling Electrode material: Platinum Low temperature refrigeration: Liquid nitrogen Sample size: $\phi < 25\text{mm}$, $d < 4\text{mm}$ Temperature control accuracy: $\pm 0.25^\circ\text{C}$

Soft Magnetic Material Measurement

Models	Specifications
DX-2012SA	Testing sample varieties: soft magnetic ferrite, permalloy, amorphous, amorphous and nm crystal. power sources options: 1kHz ~ 300kHz or 500kHz, 5kHz or 10kHz ~ 100kHz Display I (t), U (t) and B (t) sampling waveform and B (H) hysteresis loop



Soft Magnetic Material Measurement



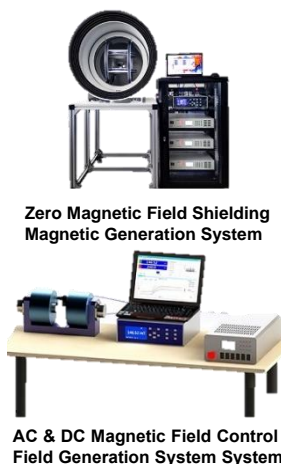
Permanent Magnet Material

Permanent Magnet Material Measurement

Models	Specifications
DX-30 Hall Effect Meter (Combination of DX-30 Permanent magnet, DX-320 Sample constant source)	Magnitude of magnetic field 500mT (Pole head spacing: 18mm) Resolution of current - 0.0001uA Resolution of voltage 0.0001mV Output range: 50.00nA-50.00mA

Zero Magnetic Shielding Magnetic Generation System

Models	Specifications
DXGE-30T Zero Magnetic Field Shielding System	Shielding effect of residual magnetism $\leq 10\text{nT}$ Magnetic field fluctuation can reach $\leq 1\text{nT}$ Residual magnetism upto $\leq 1\text{nT}$ Magnetic field strength range: -1000000nT~1000000nT; Magnetic field uniformity: better than 1% connectors made of black FR4 epoxy boards



AC & DC Magnetic Field Control Field System

Models	Specifications
System integration of DXHC25-100, DXACF-2500, Software	Radius: 250mm Gaussmeter/ fluxgate meter: for ultra-low magnetic field such as 1GS Power Supply max voltage 50V Gaussmeter Accuracy: 0.1 μT /1mT (standard) and an Accuracy $\pm 0.20\%$

Multidimensional Magnetic Field Measurement

Models	Specifications
DX-360, DX-210, DX-180, DX-160	Capacity: 10nT-30T Space measurement range: 200mm x 200mm x 200mm Resolution ratio: 0.00039mm Positional accuracy 0.01mm, Repeat positional accuracy < 0.005mm Rotation travel angle resolution ratio < 0.0002°



Surface Magnetic Distribution Measurement

Models	Specifications
DX-2012RA, DX-2012RB, DX-2012RC, DX-2012RD	Power supply: 12V ~40VDC Capacity: 0.1KVA Output current: Peak 2.6A/phase (Max) Drive mode: Space vector bipolar constant current drive Excitation method: Sixteen subdivision modes are available Insulation resistance: Under normal temperature and pressure > 100M Ω Insulation strength: 0.5KV under normal temperature and pressure, 1Min

Hall Effect System

Models	Specifications
DX-30 Permanent Magnet, DX-50/60 Electro magnetic (EM) Fully Automatic DX-80 Room Temp EM & Automatic, DX-100/200 High & Low temp Fully Automatic, DX-3000 High & Low temp Super conducting magnets, DX-99 Fast Hall Effect	High stability PM of 0.5T with adjustable strength, cost effective. EM Field strength - 0.7T, Air Gap-20mm, current O/P- 0.1nA to 50mA, Voltage test- 0.1mV-3V. Constant Current source, Micro voltmeter measuring carrier conc, mobility, resistivity & Hall coef. Room temp , high-low temp, adjustable magnetic field range 0-3T, customisations possible. Hall effect with magneto-resistance IV characteristics, non-liquid helium super conducting magnets for sample testing. Small volume , Fast speed, sample change & one-key test.



Lock-in Amplifier

Models	Specifications
DXA-001 100KHz Lock-in Amplifier, DXA-001C 102KHz Dual Channel Phase - Locked, DXA-003 10MHz Lock-in Amplifier, DXA-004 60MHz Lock-in Amplifier	Measurement Range: 102kHz, 10MHz, 60MHz Time Constant: 10us to 3ks, N/A, 30ns to 4ks, 30ns to 4ks Noise: 5nV/ $\sqrt{\text{Hz}}$, 5nV/ $\sqrt{\text{Hz}}$, 5nV/ $\sqrt{\text{Hz}}$, 2nV/ $\sqrt{\text{Hz}}$ Measurement method: Multi Harmonic, Simultaneous 6 Channel Harmonic, Simultaneous Multiple Harmonic Speciality: Dual Signal generator, PID automatic control

Precision Power Supply to Magnetic Field Generating Devices

Models	Specifications
DX62183060, DX62186030, DX621810018, DX621815012, DX62183006, DX62186003	Power Upto: 15000 W Voltage range: 0~1500V Current Range: 0~10A Load adjustment rate upto on voltage : $\leq 0.05\% + 30\text{mV}$ on current: $\leq 0.1\% + 30\text{mA}$ Set Accuracy upto on voltage: $\leq 0.05\% + 300\text{mV}$ on accuracy: $\leq 0.1\% + 30\text{mA}$ Dynamic response time: $\leq 5\text{mS}$

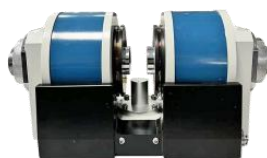


Impedance Analyzer

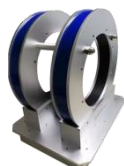
Models	Specifications
DX6630-1 DX6630-3 DX6630-5 DX6630-1 DX6630-20 DX6630-30	Test Frequency: Models upto 10 Hz-30 MHz Output impedance: 25 Ω , 100 Ω (switchable) Basic accuracy $\pm 0.05\%$ DC test signal accuracy 1V (fixed) AC Test signal voltage range: 10mV-2Vrms AC Test signal Accuracy: ALC OFF: 10% *Set voltage $\pm 2\text{mV}$ ALC ON: 6% *Set voltage $\pm 2\text{mV}$

Electromagnet

Models	Specifications
DXWD-50, DXSB-80	Structure: Single yolk double adjustment / double yolk frame Air gap: 0-80mm, 0-100mm Cooling: Naturally Field is horizontal to ground Pole diameter: 50-80mm Central Magnetic Field (Hmax) $\geq 0.5\text{-}1\text{T}$ Weight: 40kg/100kg Power Supply: 300-600W



Electromagnet



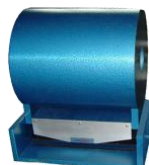
Helmholtz Coil

Helmholtz Coil

Models	Specifications
DXHC30-2 to 50, DXHC25-2 to 1000, DXHC20-5 to 500	Radius: 200-300mm Centre magnetic field: 2-1000Gs Uniformity: 0.01-5% Homogeneity sphere diameter: 26-200mm Each dimension power range: 12-5000W 1D weight: 4-500kg 3D weight: 11-138kg

Solenoid

Models	Specifications
DXSL80-1, DXSL35-10, DXSL20-200, DXSL250-1, DXSL30-2000	Length: 800,350,200,2500,320mm Outer - Inner Diameter: 400-370,220-190,100-50,500-470, 280-50mm Central Magnetic Field strength: 1,1,200,1,2000Gs Uniform Zone length: 500,100,20,250,30mm Uniformity: 1,1,0.5,0.1,0.6%



Solenoid



Magnetizer/
Demagnetizer

Magnetizer/Demagnetizer

Models	Specifications
DX-MAG-25C10, DX-MAG25C15, DX-MAG25C20	Input Power: AC220 $\pm 10\%$, AC380 $\pm 10\%$ Input Current: 40A Charging Voltage: DC200V - 2500V Electric Capacity: 1000 μF , 1600 μF , 2000 μF Stored Energy: 3125J, 5000J, 6250J Output Current: 30kA Magnetizes the cycle: 2 sec/ time, 3 sec/time, 3 sec/time

Fluxgate Magnetometer

Models	Specifications
DX-210B, 201 Oxide Scale Tester	Test Range: $\pm 3\text{mWb}$ $\pm 30\text{mWb}$ $\pm 300\text{mWb}$ $\pm 3000\text{mWb}$ four gears - 20.00mWb Minimum resolution: 0.1uWb - 10uWb Resolution Error: 1/30000 of range Accuracy: 0.1-1%



Flux Meter



Fluxgate Magnetometer

High Precision Digital Flux Meter

Models	Specifications
DX-310/310A, 330F, 350	Measurement Range- 1 Dimension: $\pm 100\mu\text{T}$ / $\pm 1000\mu\text{T}$ 3 Dimension: $\pm 100\mu\text{T}$ / $\pm 500\mu\text{T}$ / $\pm 1000\mu\text{T}$ Resolution: 0.1nT-1nT Error Temperature Co-efficient: 1nT/ $^{\circ}\text{C}$ Frequency response: 0-1000Hz Accuracy: 0.1-1% Bandwidth: $> 1\text{kHz}$ at -3dB Output: RS232, BNC(analog)

Desktop Gauss/Tesla Meter

Models	Specifications
DX-103B Desktop type, 1205F, 16 0,180,190, 210,360	Measurement Range: 0-0.2T-2T-10T-30T-Single/2 probe Type: AC/DC Magnetic field Function: Peak holding Communication: RS-232, USB, BNC, Mobile App Resolution: 0.1 μT /1mGs/0.01/0.1Gs Accuracy: 1% Software: 3 Dimensional Diagrams



Desktop Gauss/Tesla
Meter



Portable Gauss Meter

Portable Gauss Meter

Models	Specifications
DX-102, 102F, 103 Portable	Measurement Range: 0/30mT/ 300mT/3T DC Range: 30kg/6kg/600g AC Range: 3.6/1.2/120kg Resolution: 0.1Gs Accuracy: 1% Function: Peak hold Communication: USB, RS-232(Programmable)

At MAGTrans, we take pride in delivering magnetic solutions that meet diverse requirements, regardless of the complexity of your application. Whether it's academic research or large-scale industrial operations, we ensure our solutions are precisely tailored to your needs.

Additionally, we can customize our solutions to suit your specific requirements. Beyond the products mentioned above, the additional offerings listed below further expand our ability to meet a variety of needs. Click on any of the names to find out more.

Magnetic Field Generation and Control Systems	
Three-dimensional Magnetic Field Probe Station	Multipole Electromagnet
No Magnetic Moment Helmholtz Coil	High Uniformity Combined Helmholtz Coil
3 Axis Helmholtz Coil	Gradient Magnetic Field Coils
Three-dimensional Superconducting Magnet	3D Superconducting Coil
Constant Magnetic Field Permanent Magnet	Rotating Magnetic Field Permanent Magnet
Pulse Magnetizer	Magnetizing Source
Magnetic Flux Density Experimental Device	Magnetizing Source
Magnetic Measurement and Testing Equipment	
Micro MOKE Magnetic Measuring Instrument	3D Gauss Meter
Three-Dimensional Digital Flux Meter	Core Loss Tester
Magnetic Moment Testing Equipment for Rare Earth Permanent Magnet Materials	Silicon steel material automatic measuring device
Ferroelectric Test System	Magnetostriuctive Materials Measuring System
Magnetic Material Production and Processing	
Flexible Neodymium Magnets	Bonded Ferrite Magnetizer Machine
Vacuum Melt Spinning System	Silicon Carbide Crystal Growth Furnace
Coating and Film Deposition Systems	
Magnetron Sputtering Coating System	Single Chamber Magnetron Sputtering System
Pyriform Single Chamber Magnetron Sputtering System	Thermal Evaporation Vacuum Coating Machine
Laser Coating Equipment	Laser Molecular Beam Epitaxy System
Electron Beam Coating System	Single Atomic Layer Film Growing Equipment
Three-dimensional Magnetic Field Probe Station	Wafer Level Automatic in-plane Magnetic Field Probe Station
BH Tracer Hysteresis Graph Test System	
Power and Signal Amplification Systems	
High Voltage Power Amplifier	Electromagnetic Vibration Exciter
Special Purpose Systems	
Geomagnetic Shielding System	Dielectric Charging and Discharging System
Laser Doppler Vibrometer	AC solenoid Impulse solenoid
ECR Ion Source Hexapole Permanent Magnet	Piezoelectric Coefficient Tester

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