MAGTrans Systems Pvt. Ltd,.

DEXINMAG®

Magnetic and Cryogenic Measurement Solutions from MAGTRANS

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. MAGTRANS works with Xiamen Dexing magnet Tech co. Ltd for their range of magnetic instrument and solutions

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. The Dexing range of main equipment and measurement systems includes: 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.

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.

MAGTrans

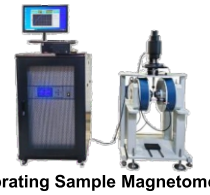
Magnetic Measurement Solutions

DEXINMAG

Closed Cycle Cryostat

Models	Specifications
DX01D **DX101D-4W** **DX 305D** **DX 305D-4W** **DX 408D2** **DX 408D2-4W**	**Cooling** to 4K in 60 min **Temp:** 4–325K | 30W @ 4.5K | 6.5–7.2KW | 380V, 50/60Hz | 7–10L/min **water flow | Air or water-cooled** (4–28°C)

Cryostat



Vibrating Sample Magnetometer

Vibrating Sample Magnetometer

Models	Specifications
DXV-100, 130, 175, 220, 250, 300, 380, 400, 9000	VSM for material property analysis: hysteresis loop, magnetization, heating/cooling curves, coercivity, Curie temperature, and permeability from -196 to 900°C. **Magnetic Field:** 0.8–3T (35mm air gap) **Moment Range:** 35×10^{-9} to 10^{3} emu **Sensitivity:** 10^{-7} to 5×10^{-5} emu **Accuracy & Stability:** 30 emu ±0.5–1%

Magneto Optical Kerr Effect Magnetic Measurement System

Models	Specifications
DX MOKE Surface System	**Kerr angle:** <0.001° **Ellipse res.** <0.1% **Spot:** 10μm **Max field:** 2.2T (Em7) **Rotation:** 0.1° step **Displacement:** 10μm **Noise** <1% **Temp:** 100–300K **Characterization:** 220nm

MOKE Magnetic Measurement

Dielectric Measurement System

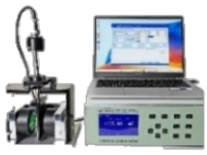
Dielectric Measurement System

Models	Specifications
DMS30 Dielectric System with high and low temperature	**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: φ＜25mm, d＜4 mm **Temperature control accuracy:** ±0.25°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:** ≤10nT **Field fluctuation:** ≤1nT **Residual magnetism:** ≤1nT **Field range:** ±1,000,000nT **Uniformity:** <1% Black FR4 epoxy connectors

Zero Magnetic Field Shielding Magnetic Generation System

AC & DC Magnetic Field Control Field System

AC & DC Magnetic Field Control Field System

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

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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°

Multidimensional Magnetic Field Measurement System

Magnetic Field Mapping System

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＞100MΩ **Insulation strength:** 0.5KV under normal temperature and pressure,1Min

Hall Effect System

Models	Specifications
DX-30 Permanent Magnet **DX-50/60** EM Fully Auto **DX-80 Room** Temp EM Auto **DX-100/200** High/Low Temp Auto **DX-3000** High/Low Temp Superconducting **DX-99** Fast Hall Effect	**0.5T PM** (Adjustable, Cost-Effective) **0.7T EM, 20mm Gap** **Current:** 0.1nA–50mA **Voltage:** 0.1mV–3V **Constant Current Source, Microvoltmeter** for Carrier Conc., Mobility, Resistivity, Hall Coef. **0–3T Adjustable Field** **Hall Effect, MR, IV Testing | Non-LHe Superconducting Magnets | Compact, Fast, One-Key Test**

Hall Effect System

Lock in Amplifier

Lock-in Amplifier

Models	Specifications
DXA-001 100KHz Lock-in Amplifier, **DXA-001C** 102KHz Dual-Channel Lock-In **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/√Hz, 5nV/√Hz, 5nV/√Hz, 2nV/√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:** Up to 15,000W **Voltage:** 0–1500V **Current:** 0–10A **Load Adjustment:** ≤0.05%+30mV (Voltage), ≤0.1%+30mA (Current) **Set Accuracy:** ≤0.05%+300mV (Voltage), ≤0.1%+30mA (Current) **Dynamic Response:** ≤5ms

Field Generating Devices

Impedance Analyzer

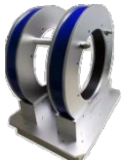
Impedance Analyzer

Models	Specifications
DX6630-1 **DX6630-3** **DX6630-5** **DX6630-1** **DX6630-20** **DX6630-30**	**Freq:** 10Hz–30MHz **Impedance:** 25Ω/100Ω (Switchable) **Accuracy:** ±0.05% **DC Test:** 1V (Fixed) **AC Test:** 10mV–2Vrms **AC Accuracy:** ALC OFF ±10%+2mV, ALC ON ±6%+2mV

Electromagnet

Models	Specifications
DXWD-50 **DXSB-80**	**Structure:** Single/Double Yoke **Air Gap:** 0–100mm **Cooling:** Natural **Field:** Horizontal **Pole Ø:** 50–80mm **Hmax:** ≥0.5–1T **Weight:** 40/100kg **Power:** 300–600W

Electromagnet



Helmholtz Coil

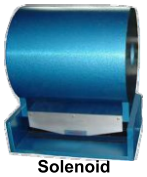
Helmholtz Coil

Models	Specifications
DXHC30-2 to 50 **DXHC25-**2 to 1000 **DXHC20-**5 to 500	**Radius:** 200–300mm **Field:** 2–1000Gs **Uniformity:** 0.01–5% **Sphere Ø:** 26–200mm **Power:** 12–5000W **1D Weight:** 4–500kg **3D Weight:** 11–138kg

Magnetic Measurement Solutions

Solenoid

Models	Specifications
DXSL80-1 DXSL35-10 DXSL20-200 DXSL250-1 DXSL30-2000	**Length:** 00,350,200,2500,320mm **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:** AC220V±10% AC380V±10% **Current:** 40A **Charge Voltage:** DC200–2500V **Capacitance:** 1000–2000μF **Energy:** 3125–6250J **Output:** 30kA **Cycle:** 2–3s

Fluxgate Magnetometer

Models	Specifications
DX-210B, 201 Oxide Scale Tester	**Test Range:** ±3mWb ±30mWb ± 300mWb ±3000mWb 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:** ±100μT/±1000μT **3 Dimension:** ±100μT/±500μT/±1000μT **Resolution:** 0.1nT-1nT Error Temperature Co-efficient: 1nT/°C Frequency response: 0-1000Hz **Accuracy:** 0.1-1% **Bandwidth:** >1kHz at -3dB **Output:** RS232, BNC(analog)

Desktop Gauss/Tesla Meter

Models	Specifications
DX-103B Desktop type: 1205F,160,180,190 210,360	**Range:** 0–30T (Single/2 Probe) **Type:** AC/DC Field **Function:** Peak Hold **Comms:** RS-232, USB, BNC, App **Resolution:** 0.1μT–0.1Gs **Accuracy:** 1% **Software:** 3D 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.

Support Your Existing Systems with Tailored Solutions

Full fledged replacement for Your Existing Hardware
MAGTrans provides specialized solutions to extend the life, improve efficiency, and enhance the functionality of your existing magnetic measurement systems. Whether you need repairs, replacements, or advanced control capabilities, we have you covered:

Seamless Replacement with DEXINMAG Products – High-performance alternatives for costly components, with the flexibility for independent operation without a closed-loop system if required.
Advanced Feedback-Based Control Systems – Enabling precise, automated magnetic field adjustments for research and industrial applications.

We offer Programmable test systems—including Gaussmeters, Teslameters, and Fluxgate Magnetometers—with customizable command lists for user-defined operations. Additionally, our programmable AC and DC power supplies provide reliable and adaptable solutions for precise power control in magnetic applications.

For any product and application details contact:

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