

TMAG® Series Flux Lines Measurement System

TMAG® 磁矩及磁通多軸量測系統

MOBILSENS Technologies accepts the design and manufacture of various customized magnetic flux measurement system equipment and provides a complete analysis report of magnetization simulation technology.

The TMAG precision series magnetic flux measurement system is one of the most commonly options by industrial production and laboratory research units. Application include magnetic material manufacturers, steel industrial, medical, transportation.



創磁微測接受各種客製化磁通量測系統設備的設計及製造，同時提供完整的充磁模擬技術分析報告。

TMAG 高精度系列的磁通量測系統是工業生產和實驗室研究單位常使用的選擇之一，產業應用涵蓋磁性材料製造商、鋼鐵、醫療、工業、交通運輸。

Electronic Fluxmeter EF5 (DC)



直流高精度磁通計



- DC量測設備
- 自動漂移補償
- 客製化軟體設計
- 直覺化的操作介面
- 高敏度低漂移系數
- 自建線圈參數記憶儲存
- 可搭配亥姆霍茲線圈使用

Electronic Fluxmeter EF14 (AC/DC)



交直流通用磁通計



- 自動漂移補償
- 客製化軟體設計
- 儲存100組的量測資料
- AC及DC整合量測設備
- 最大磁場峰值強度記錄
- 自建線圈參數記憶儲存
- 可搭配亥姆霍茲線圈使用

DC Helmholtz Coil

直流亥姆霍茲線圈

MS Series 150 for measuring the magnetic moment and dipole moment of permanent magnets	
Measuring constant	0.015 cm
Field strength constant	67 (A/cm)/A
Flux density constant	8.4 mT/A 84 G/A
Resistance	37 Ω
Free pass-through	140 mm
Limits for 1 % accuracy	
Max. magnet height	50 mm
Max. diameter	70 mm



Possibility to generate magnetic fields: **Yes**
 Generate DC field: **Yes – 4.36mT maximum**
 Needed Power Supply: **0.52A, 19.2V, 10W**

- ✦ DC線圈可以產生穩定的時變電磁場
- ✦ 長時間可操作電壓為19.2V(上限)
- ✦ 標準磁場源為4.36 mT(功率10W)
- ✦ 允許標準磁鐵高度50mm 直徑70mm
- ✦ 磁通量檢測及磁場源系統最佳選擇

MS Series 210 for measuring the magnetic moment and dipole moment of permanent magnets	
Measuring constant	0.014 cm
Field strength constant	71 (A/cm)/A
Flux density constant	9.0 mT/A 90 G/A
Resistance	75 Ω
Free pass-through	200 mm
Limits for 1 % accuracy	
Max. magnet height	70 mm
Max. diameter	94 mm



Possibility to generate magnetic fields: **Yes**
 Generate DC field: **Yes – 3.28mT maximum**
 Needed Power Supply: **0.37A, 27.4V, 10W**

- ✦ DC線圈可以產生穩定的時變電磁場
- ✦ 長時間可操作電壓為27.4V(上限)
- ✦ 標準磁場源為3.28 mT(功率10W)
- ✦ 允許標準磁鐵高度70mm 直徑94mm
- ✦ 磁通量檢測及磁場源系統最佳選擇

AC/DC Helmholtz Coil

交直流亥姆霍茲線

MS Series 237 for measuring the magnetic moment and dipole moment of permanent magnets	
Measuring constant	0.25 cm
Field strength constant	4.0 (A/cm)/A
Flux density constant	0.50 mT/A 5.0 G/A
Resistance	3 Ω
Free pass-through	140 mm
Limits for 1 % accuracy	
Max. magnet height	70 mm
Max. diameter	110 mm



Possibility to generate magnetic fields: **Yes**
 Generate DC field: **Yes – 1.0mT maximum**
 Generate AC field: **Yes (max. frequency 42 kHz)**
 Needed Power Supply: **2.0A, 5.74V, 11.5W**

- ✦ AC/DC 通用標準線圈 – 最大頻率42 kHz
- ✦ 長時間可操作電壓為5.74V(上限)
- ✦ 標準磁場源為1.0 mT(功率11.5W)
- ✦ 允許標準磁鐵高度70mm 直徑110mm
- ✦ 磁通量檢測及磁場源系統最佳選擇

MS Series 534 for measuring the magnetic moment and dipole moment of permanent magnets	
Measuring constant	0.42 cm
Field strength constant	2.4 (A/cm)/A
Flux density constant	0.30 mT/A 3.0 G/A
Resistance	7 Ω
Free pass-through	275 mm
Limits for 1 % accuracy	
Max. magnet height	150 mm
Max. diameter	260 mm



Possibility to generate magnetic fields: **Yes**
 Generate DC field: **Yes – 0.6mT maximum**
 Generate AC field: **Yes (max. frequency 14 kHz)**
 Needed Power Supply: **2.0A 13.8V 27.6W**

- ✦ AC/DC 通用標準線圈 – 最大頻率14 kHz
- ✦ 長時間可操作電壓為13.8V(上限)
- ✦ 標準磁場源為0.6 mT(功率27.6W)
- ✦ 允許標準磁鐵高度150mm 直徑260mm
- ✦ 磁通量檢測及磁場源系統最佳選擇