



Industrial Inspection
61, Kai-Fa Road,
Nanzih District, Kaohsiung, Taiwan

INSPECTION REPORT (NON-NEGOTIABLE)

Inspection Report No.: EM21148S2

Work Order No.: EM21148A1

Report Issuance Date: Oct. 18, 2021

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Project Name: 專案名稱/工程名稱:	電磁場校正系統功能測試		
Product Description: 產品名稱:	電磁場校正系統		
PO No.: 契約編號:	-----	L/C No.: 信用狀號碼:	-----
Client/Buyer: 客戶/業主:	-----	Quantity: 數量:	1 Set
Supplier: 承包商:	-----	Inspector: 檢驗員:	Evan Hsueh (薛文琪)
Manufacture: 製造商:	創磁微測股份有限公司	Inspection Date: 檢驗日期:	110年09月15日
Witness Representative: 會驗單位:	創磁微測股份有限公司 台灣檢驗科技股份有限公司	Location: 檢驗地點:	台中市西屯區福順路126號

A. INSPECTION TYPE: 檢驗類型					
Pre-Shipment Inspection <input type="checkbox"/> 裝船前檢驗	Final Random Inspection <input type="checkbox"/> 最終檢驗 / 出貨前檢驗	Sampling Inspection <input type="checkbox"/> 取樣公證	Witness Inspection <input checked="" type="checkbox"/> 見證檢驗		
Unpack Inspection <input type="checkbox"/> 開箱檢驗	Loading Supervision <input type="checkbox"/> 裝櫃監督	Project Inspection <input type="checkbox"/> 專案檢驗			
B. SCOPE OF WORK: 工作範圍	Requested 請求事項			Performed 已執行	Comments 評論
	Inspect 檢驗	Witness 見證	Review 檢閱		
Visual / Appearance Check 目視/外觀檢查	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Quantity Check 數量檢查	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Specification Check 規格檢查	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
C. EQUIPMENT/ GOODS REQUESTED FOR INSPECTION: 檢驗之設備 / 產品	電磁場校正系統			Product name deviations found during inspection: 產品名稱於檢驗期間偏差 yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (if yes, see report details) (如有, 見報告細節)	
D. REFERENCE DOCUMENTS: 參考文件			Reference No. 參考號碼	Rev. No.	
1	電磁場校正系統功能測試表		2021/09/15	--	

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SGS Taiwan Ltd.
台灣檢驗科技股份有限公司

No.61, Kai Fa Rd., Nanzih District, Kaohsiung City 811637, Taiwan / 811637 高雄市楠梓區開發路61號
t (886-7) 301-2121

f (886-7) 301-2239

www.sgs.com.tw

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E. INSPECTION RESULT: 檢驗結果	<input type="checkbox"/> satisfactory 滿意	F. NCR/Punch list issued: 核發不符合事項/缺失單
	<input type="checkbox"/> conditionally accepted (see report details) 有條件接受(見報告細節)	
	<input checked="" type="checkbox"/> actual finding (see report details) 現場記錄	
	<input type="checkbox"/> non conforming (see report details) 不符合(見報告細節)	<input checked="" type="checkbox"/> No 否
	<input type="checkbox"/> rejected (see report details) 拒絕(見報告細節)	<input type="checkbox"/> Yes 是 (see report details) (見報告細節)
	<input type="checkbox"/> aborted inspections (see report details) 空跑(見報告細節)	

G. REPORT DETAILS

報告細節

G.1 Measuring Equipment Used

使用量測設備

FH55 高精度高斯計、E36234A 電源供應器、可程式電磁鐵。

廠商提供儀器校正報告供審閱。

G.2 Inspection Activities Description and Results

檢驗內容描述及結果:

1. 檢驗範圍:

依據廠商所提供的電磁場校正系統功能測試表進行電磁場校正系統之試驗見證。

2. 檢驗數量:

電磁場校正系統(由控制系統機櫃含控制軟體及可程式電磁鐵組成)數量: 1 Set 包含以下儀器設備

儀器型號	儀器名稱
SDM-0057	FH 55 / Magnetic Field Strength Meter Set FH55 高精度高斯計
P10-0001	E36234A DC Power Supply E36234A 電源供應器
RD-0040	Programming Electromagnet 可程式電磁鐵

3. 測試執行單位:

創磁微測股份有限公司

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4. 檢驗結果：

4.1 電磁場校正系統功能測試說明：

電磁場校正系統可產生一穩定且均勻的電磁場，電磁場強範圍可依據需求調整 0 - 1.5 Tesla。
可因應各式待測物，如：高斯計、霍爾探棒、磁感測晶片、地磁量測設備等高精度磁性元件。

依據操作流程測試以下磁場範圍與磁場強度之試驗：

項目	本案產品測試規格		測試方法	測試結果
	磁場範圍	磁場強度		
電磁場範圍	0.4 mT	0.4 mT	使用軟體選擇所需磁場強度，由軟體監控輸出電壓電流，並由高斯計探棒實測磁場數值回饋於軟體內部，若輸出磁場數值未達設定要求，軟體可自行微調數值。實際測試值，如右。	0.5 mT
	1.1~29.9 mT	10 mT		9.9 mT
		20 mT		19.9 mT
	29.9~250.2 mT	100.2 mT		100.2 mT
		200.1 mT		200.1 mT
	0.3~1.501 T	0.5 T		0.5 T
		1.0 T		1 T

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4.2 電磁場校正系統具有以下功能：

圖控化系統軟體主要控制電磁場校正系統的電源輸出以及磁通量密度的監控，此軟體可自我補償磁場之校正使場強達到設定值。

功能	測試方法	測試結果
可監控系統狀態	可同步監控記錄電磁場上的電壓、電流、磁場並以圖表的方式呈現於軟體介面上。	測試功能正常
自我補償磁場校正	當磁場場強因材料特性關係未達設定範圍時，可藉由軟體 Voltage Value 模式微調數值，使磁場場強達到設定值。	測試功能正常 有 4 個電壓模式可調整 (如下) 1 0.1 0.01 0.001
緊急開關	如操作過程中遇緊急、危險事故，操作者即可按下緊急開關”Emergency” 鈕，中斷電源供應器的電流輸出，使高電流的磁場中斷。排除事故後需旋轉緊急開關”Emergency” 回歸通電狀態，並重啟電源供應器電源。	測試功能正常

備註: 本次試驗詳細試驗內容與數據如附件會驗紀錄。

G.3 Non Conformities

不符合事項

N/a

G.4 Conclusion

結論

檢驗見證為當時之實際狀況詳如本報告與附件會驗紀錄。

G.5 Attachements

附件

- 電磁場校正系統功能測試 會驗報告

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THE ABOVE REFLECTS OUR FINDINGS AT TIME AND PLACE OF INSPECTION. THIS REPORT DOES NOT RELEASE BUYERS OR SELLERS FROM THEIR CONTRACTUAL RESPONSIBILITIES NOR DOES IT PREJUDICE BUYER'S RIGHT OF CLAIM TOWARD SELLERS/SUPPLIERS FOR COMPENSATION FOR ANY APPARENT AND/OR HIDDEN DEFECTS NOT DETECTED DURING OUR INSPECTION OR OCCURRING THEREAFTER.

H. INSPECTION PHOTOS

檢驗照片

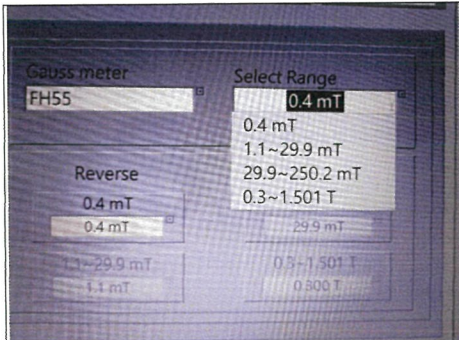


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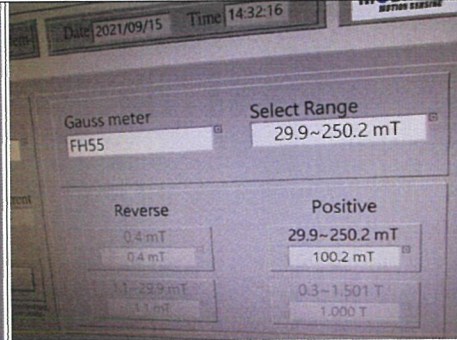
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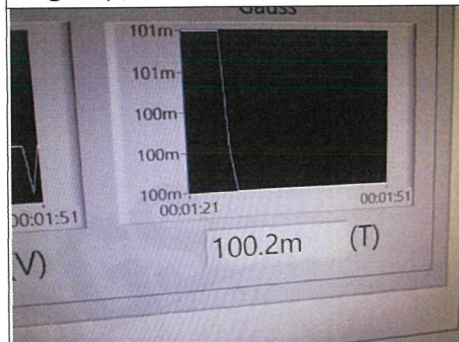
7. 電磁場校正設定&測試



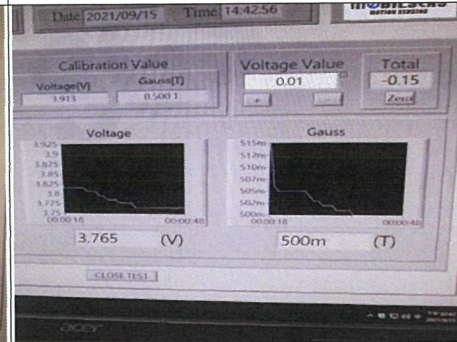
8. 電磁場校正設定&測試



9. 電磁場校正設定&測試



10. 電磁場校正設定&測試



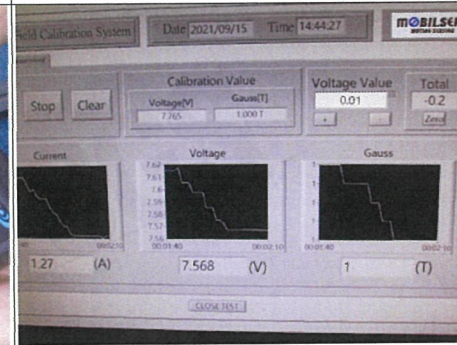
11. 電磁場校正設定&測試(監控系統)



12. 電磁場校正設定&測試



13. 電磁場校正設定&測試



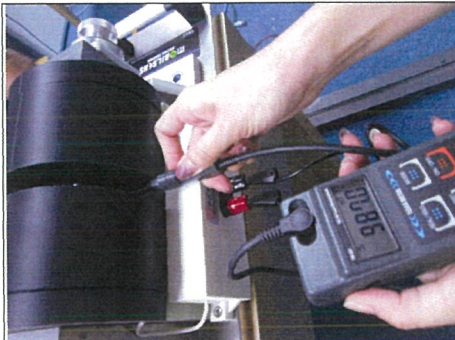
14. 電磁場校正設定&測試(監控系統)



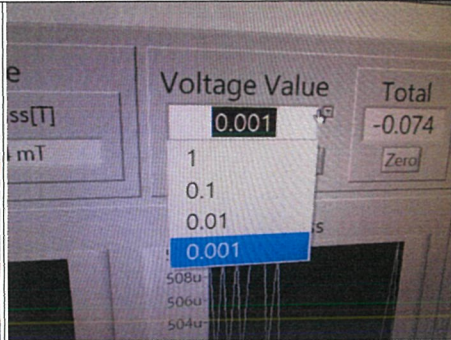
15. 電磁場校正設定&測試

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16. 電磁場校正設定&測試



17. 自我補償磁場校正 Voltage Value 模式微調數值



18. 緊急開關測試

訖傳位

SGS TAIWAN LTD.

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