

Document Title		CALIBRATION CERTIFICATE			
Document Number: Cal-WMC-001	Document Type: Form	Issue Date: 11/11/2022	Revision Number: 01	Revision Date: 15/02/2026	
Prepared By:	Calibration Department	Approved By:	Calibration Manager	Document Status:	Controlled Document

Certificate Information		Equipment Under Calibration	
Owner Name:	SAMA AL-TARIQ CO.	Description:	Inverter Welding Machine
Address:	Berjessia, Basra – Iraq	Model:	MMA 250
Certificate No.:	RAS-C-260650300	Manufacturer:	LYNX LTZ
Calibration Date:	13 June 2026	Serial No.:	15900
Calibration Due Date:	12 June 2027	ID Number:	N/A
Calibration Location:	RAC Laboratory – Basra, Iraq	RAC Job No.	1247

Reference Equipment Used

Reference Equipment	ID No.	Calibration Due Date
Fluke 376 FC True RMS Clamp Meter	RAC-CL-014	12-March-2027
Fluke 87V Digital Multimeter	RAC-DMM-021	12-March-2027
Yokogawa DC Ammeter	RAC-AM-008	12-March-2027
Resistive Welding Load Bank	RAC-LB-003	12-March-2027

Environmental Conditions During Calibration

Temperature:	Relative Humidity:	Location:
24.6 °C	44.0 %	RAC Laboratory – Basra

Calibration Method

The instrument was calibrated in accordance with EN 60974-1:2012. The reported expanded uncertainty is calculated with a coverage factor k = 2, providing a confidence level of approximately 95%.

Calibration Results

1- Output Current Verification

Set A	Measured A	Error A	Error %	Status
50	49.2	-0.8	-1.60%	Pass
100	101.5	+1.5	+1.50%	Pass
150	148.8	-1.2	-0.80%	Pass
200	202.4	+2.4	+1.20%	Pass
250	247.6	-2.4	-0.96%	Pass

2- Output Voltage Verification

Set V	Measured V	Error V	Error %	Status
21.2	21.0	-0.2	-0.94%	Pass
26.2	26.5	+0.3	+1.15%	Pass
30.0	29.8	-0.2	-0.67%	Pass

3- Open Circuit Voltage (OCV)

Nominal OCV	Measured OCV	Error	Status
70.0 V	69.4 V	-0.6 V (-0.86%)	Pass

Statement of Compliance

This calibration was performed in accordance with ISO/IEC 17025:2017.
Measurement results are traceable to the International System of Units (SI) through certified reference standards.
This certificate applies only to the specific instrument identified herein and shall not be reproduced, except in full, without written authorization from the issuing laboratory.

Authorization

Calibrated By Name: Ali Abdelkarim Signature:	Approved By Name: Emad Seif Signature & Stamp:	STAMP 	Date of Issue: 13 June 2026 
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