

CERTIFICATE OF CALIBRATION

RAS-A-26085003

Certificate No: RAS-Y-26085003
Customer: AL-MAYAL Company
Location: Iraq – Basra

Date: 14/08/2026

Equipment Description: Protection Relay Test Set
Manufacture: KoCoS
Serial Number: 30507082101
Model: ARTES 440 II
Range: Multiple
Accuracy: As Per Manufacture Specification



Status: Calibrated

Calibration Date: 14/08/2026

Calibration Due: 13/08/2027

Environmental Conditions

Temperature: (24± 2) °C

Humidity: (25 ± 10) % RH

Reference Equipment Details:

Equipment	Model	Serial No.	Calibration Due
Digital Multimeter (6½ digit)	Fluke 8588A	F8588-22199	FLK-CAL-2025-013
Precision Current Shunt	Tektronix CS-10	SH-0991	TEK-CAL-2025-020
Frequency Counter	Agilent 53131A	FC-7762	AG-CAL-2025-012
Digital Timer	Keysight 53230A	TM-2341	KEY-CAL-2025-031

Test Results:

Voltage Output Accuracy (300 V range)

Set Value (V)	Measured	Deviation (V)	Tolerance	Status
50.00	49.98	-0.02	±0.15	PASS
100.00	100.04	+0.04	±0.20	PASS
220.00	219.88	-0.12	±0.30	PASS
300.00	299.90	-0.10	±0.45	PASS

Current Output Accuracy (6.4 A/channel)

Set Value (A)	Measured Value (A)	Deviation (A)	Tolerance	Status
0.50	0.49	-0.01	± 0.02	PASS
1.00	1.01	+0.01	± 0.02	PASS
5.00	4.98	-0.02	± 0.05	PASS

Frequency Output Accuracy

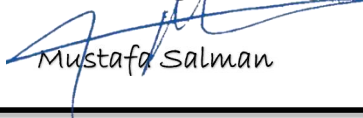
Set Frequency (Hz)	Measured (Hz)	Deviation (Hz)	Tolerance	Status
50.00	50.00	0.00	± 0.02	PASS
60.00	60.01	+0.01	± 0.02	PASS

Time Injection Accuracy (Relay trip timing)

Set Time (ms)	Measured (ms)	Deviation	Tolerance	Status
100.0	100.1	+0.1 ms	± 0.5 ms	PASS
500.0	499.9	-0.1 ms	± 0.5 ms	PASS

End of Test Result

Calibration Engineer Signature:


Mustafa Salman

Instruments or Device Final Status:


QA/QC Manager O.S.A

