

Calibration Certificate

Al Takamul Yard North Rumailah, Iraq

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Date of Issue: June 3, 2024

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REQUEST NUMBER : By Email
JOB NUMBER : QC/JN/24/00226
CERTIFICATE NUMBER : **QC240603-13**

APPROVED BY LAB IN CHARGE QC



CUSTOMER DETAILS

Name : **Halliburton Worldwide IRAQ**
Address : Western Burjesia, Oil Street, District Zubair-South Iraq
Department : Sperry

EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : **DC Power Supply**
Type of Indication : Digital
Manufacturer : THURLBY THANDAR
Model : PL320
SAP No. : 300093874
Serial Number : **337504**

Calibrated Range:

Voltage (DC) : 0 V to 32 V
Current (DC) : 0 A to 2 A

Resolution:

Voltage (DC) : 0.1 V
Current (DC) : 0.01 A

As Found : In Tolerance

Calibration Date : June 3, 2024

Calibration Due : **June 2, 2025** 1 Year Validity

Last Calibration : June 5, 2023



ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature : 22 °C ± 2 °C
Relative Humidity : 40 %RH ± 5 %RH

CALIBRATION METHOD

The above equipment has been calibrated in accordance with QC Calibration Procedure # QC/CP/E/01
The deviations of the measurements obtained from UUC with respect to reference standards are determined to obtain the error.

TRACEABILITY

The measurements made by Quality Control Labs, realize the physical units of measurements (SI), through its state of the art calibration standards that are controlled and maintained by QC.

REFERENCE EQUIPMENT USED :

DESCRIPTION	MAKE	MODEL #	SERIAL #	CALIBRATION DATE	CALIBRATION DUE DATE
Multifunction Calibrator	Fluke, USA	5522A	2806902	8/25/2023	8/24/2024
Ref Multimeter	Fluke, USA	8508A	276568089	8/25/2023	8/24/2024

CERTIFICATE OF CALIBRATION

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CALIBRATION TEST RESULTS

Measurement Data for DC Voltage

Zero or Offset Readings of UUC

Before Adjustment	After Adjustment
μV	μV
0	0

Before Adjustment	After Adjustment
mV	mV
0	0

Before Adjustment	After Adjustment
V	V
0	0

Readings on UUC	Readings on Ref. Standard	Error	Uncertainty (95 % C.L)
V	V	V	\pm (V)
1.00	0.999985	0.000015	0.1000
5.00	5.000255	-0.000255	0.1000
10.00	9.999980	0.000020	0.1000
20.00	20.000100	-0.000100	0.1000
32.00	32.000045	-0.000045	0.1000

Measurement Data for DC Current

Zero or Offset Readings of UUC

Before Adjustment	After Adjustment
μA	μA
0	0

Before Adjustment	After Adjustment
μA	μA
0	0

Before Adjustment	After Adjustment
μA	μA
0	0

Readings on UUC	Readings on Ref. Standard	Error	Uncertainty (95 % C.L)
A	A	A	\pm (A)
1.00	1.000010	-0.000010	0.0100
2.00	1.999970	0.000030	0.0100

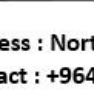
The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor $k=2$, providing a level of confidence of approximately 95%. The uncertainty evaluation has been carried out in accordance with international practice.

DEVIATION FROM STANDARD METHOD : None

☒ The results are as found (no adjustment done).

☐ The results are post adjustment.

CALIBRATED BY	REVIEWED & APPROVED BY	CLIENT
 Mahdi Halim	 LAB INCHARGE Asjad Rafiq	



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