

Calibration Certificate

Al Takamul Yard North Rumailah, Iraq

• Phone : +964 7810009138 • www.qualitycontrol-iraq.com • E-mail: op@qualitycontrol-iraq

Date of Issue: September 3, 2024

Page 1 of 3

REQUEST NUMBER	: By Mail	APPROVED BY CAB IN CHARGE QC
JOB NUMBER	: QC/JN/24/00341	
CERTIFICATE NUMBER	: QC240903-21	



CUSTOMER DETAILS

Name : **Halliburton Worldwide Iraq**
Department : Sperry
Address : Western Burjesia, Oil Street

EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : **Power Supply**
Type of Indication : Digital
Manufacturer : GW INSTEK
Model : GPC-3030D
Serial Number : GER900370
SAP : 300190208



Calibrated Range:

Voltage (DC) : 0 V to 30 V
Current (DC) : 0 A to 3 A

Resolution:

Voltage (DC) : 0.1 V
Current (DC) : 0.01 A
As found : In Tolerance
Calibration Date : September 3, 2024
Calibration Due : September 2, 2025
Last Calibration : September 5, 2023

ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature : 22 °C ± 2 °C
Relative Humidity : 15 %RH ± 5 %RH

CALIBRATION METHOD

The above equipment has been calibrated in accordance with QC Calibration Procedure # QC/CP/E/01 Rev. 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	8/20/2024	8/19/2025
Ref Multimeter	Fluke, USA	8508A	276568089	8/20/2024	8/19/2025

CERTIFICATE OF CALIBRATION

CERTIFICATE NUMBER

QC240903-21

Page 2 of 3

 REQUEST NUMBER: **By Mail**
 JOB NUMBER: **QC/JN/24/00341**
CALIBRATION TEST RESULTS (MASTER SIDE)
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	1.00272	-0.00272	0.100
5.00	5.00001	0.00000	0.100
10.00	9.99998	0.00002	0.100
20.00	20.0214	-0.02140	0.100
30.00	30.0045	-0.00450	0.100

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	1.00010	-0.00010	0.0100
2.00	1.99497	0.00503	0.0100
3.00	2.99850	0.00150	0.0100

CERTIFICATE OF CALIBRATION

CERTIFICATE NUMBER
QC240903-21

Page 3 of 3

REQUEST NUMBER:

By Mail

JOB NUMBER:

QC/JN/24/00341

CALIBRATION TEST RESULTS (SLAVE SIDE)
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	1.00365	-0.00365	0.100
5.00	5.00004	-0.00004	0.100
10.00	9.99478	0.00522	0.100
20.00	20.0205	-0.02050	0.100
30.00	30.0123	-0.01230	0.100

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	1.00010	-0.00010	0.0000
2.00	2.00052	-0.00052	0.0000
3.00	3.00045	-0.00045	0.0100

 Calibration results were found to conform as per specified accuracy requirements. Above Instrument has **PASSED** its Calibration.

 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

REMARK (S) :

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

CALIBRATED BY	REVIEWED & APPROVED BY	CLIENT
 Hussein Alaa	 Asjad Rafiq	


 Address : North Rumaila, Al Takamul Yard
 Contact : +9647810009138

