

Calibration Certificate

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Date of Issue: July 3, 2025

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REQUEST NUMBER : By Contract JOB NUMBER : QC-CAL-25248 CERTIFICATE NUMBER : QC-CAL-25248-21	APPROVED BY: LAB IN CHARGE QC 
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CUSTOMER DETAILS

Name : Daqing Drilling Company Iraq
Address : Basra, South Iraq
Department : DQ037

EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : Clamp Meter
Type of Indication : Digital
Manufacturer : Fluke, USA
Model : 376
Serial Number : CALDQ25041716



Calibrated Range:

Voltage (DC)	0.1 mV	to	1000 V
Voltage (AC) @ 50 Hz	0.1 mV	to	1000 V
Current (DC)	1 A	to	300 A
Current (AC) @ 50 Hz	1 A	to	300 A
Resistance	1 Ω	to	60 K Ω

Resolution:

Voltage (DC)	0.1 mV	0.1 mV	1 V
Voltage (AC) @ 50 Hz	0.1 mV	0.1 mV	1 V
Current (DC)	0.1 mA	0.001 mA	0.001 A
Current (AC) @ 50 Hz	0.1 mA	0.001 mA	0.001 A
Resistance	0.1 Ω	1 Ω	10 Ω

As found : In Tolerance
Calibrated By : Hussein Alaa
Calibration Date : July 3, 2025
Calibration Due : July 2, 2026

ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature	31 °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	November 5, 2024	November 4, 2025
Ref Multimeter	Fluke, USA	8508A	276568089	November 5, 2024	November 4, 2025
Decade Resistance Box	Corpico	RBB6-B	18F-1093	November 5, 2024	November 4, 2025
Fluke 10 Turn Coil	Fluke, USA	55XXA	55684496	November 5, 2024	November 4, 2025

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CALIBRATION TEST RESULTS

Measurement Data for DC Voltage

Readings on UUC	Readings on Ref. Standard	Error	Uncertainty (95 % C.L.)
mV	mV	mV	± (mV)
50.08	50.0000	0.08	0.1
100.3	100.0000	0.30	0.1
300.5	300.0000	0.50	0.1
500.7	500.0000	0.70	0.1
V	V	V	± (V)
1.002	1.00	0.00	0.1
-1.002	-1.00	0.00	0.1
10.01	10.05	-0.04	0.1
100	100.00	0.00	0.1
400	400.36	-0.36	0.1
600	601.23	-1.23	1

Measurement Data for AC Voltage @ 50 Hz

Readings on UUC	Readings on Ref. Standard	Error	Uncertainty (95 % C.L.)
V	V	V	± (V)
1.002	0.999980	0.002020	0.1
10.01	9.99998	0.01002	0.1
100.0	100.0130	-0.0130	0.1
400.0	400.015	-0.015	0.1
600.0	601.256	-1.256	1

Measurement Data for DC Current

Readings on UUC	Readings on Ref. Standard	Error	Uncertainty (95 % C.L.)
A	A	A	± (A)
1.00	1.0000	0.000000	0.01
3.00	3.0000	0.000000	0.01
5.00	5.0000	0.000000	0.06
10	10.0000	0.000000	0.06
50.02	50.000	0.020000	0.10
100.4	100.000	0.400000	0.10
200.2	200.000	0.200000	0.10
300.4	300.000	0.400000	0.10

Measurement Data for AC Current @ 50 Hz

Readings on UUC	Readings on Ref. Standard	Error	Uncertainty (95 % C.L.)
A	A	A	± (A)
1.00	1.0000	0.000000	0.01
3.00	3.0000	0.000000	0.01
5.00	5.0000	0.000000	0.06
10.01	10.0000	0.010000	0.06
50.06	50.000	0.060000	0.10
100.4	100.000	0.400000	0.10
200.8	200.000	0.800000	0.10
301.1	300.000	1.100000	0.10

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Measurement Data for Resistance

Readings on UUC	Readings on Ref. Standard	Error	Uncertainty (95 % C.L)
Ω	Ω	Ω	$\pm (\Omega)$
1.1	1.00010	0.09990	0.08
10.1	9.99990	0.10010	0.10
100.1	99.9984	0.1016	0.08
600.3	600.2300	0.0700	0.08
k Ω	k Ω	k Ω	$\pm (k\Omega)$
1.002	0.99996	0.00204	0.01
2.0	2.0045	-0.0045	0.06
10.3	10.2324	0.0476	0.05
20.0	20.0025	-0.0025	0.08
50.0	50.0084	-0.0084	0.08
60.0	59.995	0.0045	0.08

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.

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