Calibration Certificate

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Date of Issue: July 3, 2025

REQUEST NUMBER	: By Contract	APPROVED BY LAB IN CHARGE QC
JOB NUMBER	: QC-CAL-25248	
CERTIFICATE NUMBER	: QC-CAL-25248-26	

CUSTOMER DETAILS

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

EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : **Earth Ground Clamp Meter**
Type of Indication : Digital
Manufacturer : UNI-T
Model : UT276A+
Serial Number : CALDQ25041717
Calibrated Range :
Loop Current : 0.02 mA to 30.00 A

Resolution : 0.001mA, 0.01 mA, 0.1 mA, 0.001 A, 0.01A

Loop Resistance : 0.025Ω to 1200 Ω

Resolution : 0.001 Ω, 0.01 Ω, 0.1 Ω, 1 Ω
Accuracy : ±(1%+0.01) to ±(10%+10)
As Found : In Tolerance
Calibrated By : Hussein Alaa
Calibration Date : July 3, 2025
Calibration Due : July 2, 2026
Last Calibration : NA

ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature	:	31 °C	±	2 °C
Relative Humidity	:	20 %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	TRACEABILITY
Multifunction Calibrator	Fluke, USA	5522A	2806902	8/20/2024	8/19/2025
Ground Resistance Tester	Hioki	FT6380	253358	8/20/2024	8/19/2025
Standard Loop Resistance for Clamp On Ground Tester					

CERTIFICATE OF CALIBRATION

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CALIBRATION TEST RESULTS

Measurement Data for Milliampere

Readings on UUC	Readings on Ref. Standard	Error	Uncertainty
mA	mA	mA	± (mA)
0.02	0.20000	-0.180	0.01
2.002	2.00000	0.002	0.01
20.016	20.0000	0.016	0.01
30.024	30.0000	0.024	0.01

Measurement Data for Amperes

Readings on UUC	Readings on Ref. Standard	Error	Uncertainty
A	A	A	± (A)
4.002	4.00000	0.002	0.0
9.992	10.0000	-0.008	0.2
19.998	20.0000	-0.002	0.02

Measurement Data for AC Voltage @ 50 Hz

Readings on UUC	Readings on Ref. Standard	Error	Uncertainty
Ω	Ω	Ω	± (Ω)
0.476	0.474	0.002	0.0
0.503	0.500	0.003	0.001
10.03	10.000	0.030	0.02
101.00	100.00	1.000	0.2

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.