

Certificate of Calibration

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Date of Issue: September 6, 2024

Page 1 of 2

REQUEST NUMBER	: BY Mail	
JOB NUMBER	: QC/JN/24/00343	
CERTIFICATE NUMBER	: QC240906-02	

CUSTOMER DETAILS

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

EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : Digital Thermohygrometer
Manufacturer : EXTECH INSTRUMENT
Model : NA
Serial Number : 445713
SAP No. : 300151064
Temperature Range : -10 °C to 60 °C
Calibration Range : -10 °C to 50 °C
Temp Readability : 0.1 °C
Temp Accuracy : ±1.0 °C
Humidity Range : 10 %RH to 99 %RH
Humidity Readability : 1.0 %RH
Humidity Accuracy : 5.0 %RH
As Found Condition : Good
Calibrated By : Hussein Alaa
Calibration Date : September 6, 2024
Calibration Due : September 5, 2025
Last Calibration Date : September 11, 2023



ENVIRONMENTAL CONDITIONS DURING TEST

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

CALIBRATION METHOD

The above equipment has been calibrated in accordance to Calibration Procedure : QC/CP/T/08 Rev. 01
 The deviations of the measurements obtained from UUC with respect to reference standards are determined to obtain the error.

REFERENCE EQUIPMENT USED :

DESCRIPTION	MAKE / MODEL	SERIAL NO.	CALIBRATION DATE	DUE DATE
Temperature Humidity Test Chamber	LIB / TH100	1003256	15-Dec-23	14-Dec-24

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 JOB NUMBER:

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Page 2 of 2

CALIBRATION TEST RESULTS

- The results of the measurements are given on table below.
- No adjustment were made prior to calibration.

Data for Temperature Range

SET POINT °C	THERMOHYGROMETER READING °C	DEVIATION °C	UNCERTAINTY ±°C
-10.0	-9.9	0.1	0.50
30.0	30.4	0.4	0.50
50.0	50.6	0.6	0.50

UNCERTAINTY OF MEASUREMENT: ± 0.5 °C

Data for Humidity Range

SET POINT %RH	THERMOHYGROMETER READING %RH	DEVIATION %RH	UNCERTAINTY ±%RH
10.0	10.0	0.0	1.00
50.0	51.0	1.0	1.00
90.0	92.0	2.0	1.00

UNCERTAINTY OF MEASUREMENT: ± 1 %RH

 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 LAB INCHARGE	CLIENT
 Hussein Alaa	 LAB INCHARGE Asjad Rafiq	