

Certificate of Calibration

Al Takamul Yard, North Rumaila, Iraq

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Date of Issue: September 22, 2026

Page 1 of 2

WO NUMBER	: by mail	APPROVED BY: LAB INCHARGE QC
JOB NUMBER	: QC-CAL-26154	
CERTIFICATE NUMBER	: QC-CAL-26154-18	

CUSTOMER DETAILS

Name : Egyptian Maintenance Company(EMC) IRAQ
Address : Iraq, Basra, North Rumaila



EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : Temperature Humidity Meter
Manufacturer : Fluke
Model : 971
Serial Number : 45540138
Temperature Range : -50 °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 : Tolerance
Calibrated By : Hussein Alaa
Calibration Date : September 22, 2026
Calibration Due : September 21, 2027



ENVIRONMENTAL CONDITIONS DURING TEST

Average Ambient Temperature : 40 °C ± 2 °C
Relative Humidity : 25 % RH ± 5 % RH

CALIBRATION METHOD

This calibration was carried out in compliance with ISO/IEC 17025, 2017& ISO 9001, 2015. 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	10-Dec-25	9-Dec-26

CERTIFICATE OF CALIBRATION

REQUEST NUMBER:
JOB NUMBER:

BY Mail
QC-CAL-26154

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QC-CAL-26154-18

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	30.1	0.1	0.50
50.0	50.1	0.1	0.50

UNCERTAINTY OF MEASUREMENT: ± 0.5 °C

Data for Humidity Range

SET POINT %RH	THERMOHYGROMETER READING %RH	DEVIATION %RH	UNCERTAINTY ±%RH
10.0	9.9	-0.1	1.00
50.0	49.5	-0.5	1.00
90.0	89.3	-0.7	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.