

Certificate of Calibration

Al Takamul Yard, North Rumailah South Iraq


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Date of Issue: September 10, 2024

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REQUEST NUMBER : By Mail	CUSTOMER DETAILS
JOB NUMBER : QC/JN/24/00356	Name Halliburton Worldwide IRAQ (TSS)
CERTIFICATE NUMBER : QC240910-04	Address Western Burjesia, Oil Street, District Zubair-South Iraq

EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : Temperature Transmitter (RTD Sensor)	Calibration Date : September 10, 2024
Manufacturer : ROSEMOUNT	Calibration Due : September 9, 2025
Model : 3144P	Last Calibration : NA
Serial Number : 0714106	
Probe S/N : 1447481	
Location : NA	
Calibration Range : 0.000 to 400 °C	
Output : 4 to 20 mA	
As Found : In Tolerance	

ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature : 22.5 ± 1°C Humidity : 30.0 ± 5 % RH Atm. Pressure : 1013.6 ± 10 hPa

CALIBRATION METHOD

The above equipment has been calibrated in accordance with QC/CP/R/08 Rev. 01
 The above instrument has been calibrated in increasing and decreasing temperature using a Metrology Well as the reference standard and measuring mA at the output of Temperature Transducer by using Process Calibrator having traceability to Internationally recognised standards.

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	SERIAL NO.	Make / Model	CALIBRATION DATE	CALIBRATION DUE DATE
Metrology well	B85655	FLUKE / 9170	5-Aug-24	4-Aug-25
Process Calibrator	22564482	FLUKE / 725	20-Nov-23	19-Nov-24

CALIBRATION TEST RESULTS

Ref. Standard Values (A)-INPUT		Measured Values on Unit Under Calibration (M)-OUTPUT		Deviation (D=M-A)		Expanded Uncertainty (U)
°C	% of Range	°C	mA	°C	mA	±mA
0.00	0%	-0.15	3.994	-0.15	-0.006	0.01
100.00	25%	99.80	7.992	-0.20	-0.008	0.01
200.00	50%	199.83	11.993	-0.17	-0.007	0.01
300.00	75%	299.88	15.995	-0.13	-0.005	0.01
400.00	100%	399.90	19.996	-0.10	-0.004	0.01

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

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

CALIBRATED BY	REVIWED & APPROVED BY / LAB INCHARGE	CLIENT
 Abdulrahman Loay	 Asjad Rafiq 	