

## 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	<b>CUSTOMER DETAILS</b>
JOB NUMBER : QC/JN/24/00356	Name <b>Halliburton Worldwide IRAQ (TSS)</b>
CERTIFICATE NUMBER : <b>QC240910-02</b>	Address Western Burjesia, Oil Street, District Zubair-South Iraq

### EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : <b>Temperature Transmitter (RTD Sensor)</b>	Calibration Date : September 10, 2024
Manufacturer : ROSEMOUNT	Calibration Due : <b>September 9, 2025</b>
Model : 3144P	Last Calibration : NA
Serial Number : 0652349	
Probe S/N : 1024183	
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%	0.10	4.004	0.10	0.004	0.01
100.00	25%	100.13	8.005	0.13	0.005	0.01
200.00	50%	200.13	12.005	0.13	0.005	0.01
300.00	75%	300.15	16.006	0.15	0.006	0.01
400.00	100%	400.18	20.007	0.18	0.007	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 / INCHARGE	CLIENT
 Abdulrahman Loay	 <b>QUALITY CONTROL</b> <b>TEST 2</b> For Engineering Services LAB INCHARGE      Asjad Rafiq	