

Certificate of Calibration

Al Takamul Yard, North Rumailah South Iraq

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Date of Issue: May 27, 2024

REQUEST NUMBER	: By Contract	APPROVED BY: [Signature]
JOB NUMBER	: QC/JN/24/00223	
CERTIFICATE NUMBER	: QC240527-40	



CUSTOMER DETAILS

Name : Zhongman Petroleum Engineering
Address : Basra, South Iraq
Department : ZPEC025

EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : TORQUE GAUGE
Manufacturer : MC
Model : GB/T7676-1998
Serial Number : 19835-01
Location : DRILLER CABIN
Type : Analog
Range : 0 to 80 KN.m
Calibrated Range : 0 to 80 KN.m
Input Analog Signal : 4 to 20 mA
Resolution : 2 KN.m
Tolerance : $\pm 1\%$ full Scale
As found Condition : Good
Calibrated By : Asjad Rafiq
Calibration Date : May 27, 2024
Calibration Due : **26 May 2025**
Last Calibration Date : NA



DEVIATION FROM STANDARD METHOD : None

REMARK (S) :

1. No adjustments were made prior to calibration.
2. Overload test was not performed.
3. No accessories were fitted.
4. Values were rounded in computation.

ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature : $25.0 \pm 2^{\circ}\text{C}$ **Humidity** : $44.0 \pm 5\% \text{ RH}$ **Atm. Pressure** : $1011.0 \pm 10 \text{ hPa}$

CALIBRATION METHOD

The above equipment has been calibrated in accordance with QC-CP-018

The above instrument has been calibrated in increasing and decreasing Volts by using a Multifunction Calibrator as the reference standard having traceability to Internationally recognised standards.

REFERENCE EQUIPMENT USED

DESCRIPTION	SERIAL NO.	MAKE / MODEL	CALIBRATION DATE	CALIBRATION DUE DATE
Process Calibrator	22564482	FLUKE / 725	10-Nov-23	9-Nov-24

CALIBRATION TEST RESULTS

Measured Values on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Error of Full Scale
KN.m	KN.m	KN.m	%
0	0.00	0.00	0.0
20	20.00	0.00	0.0
40	40.10	-0.10	-0.1
60	60.20	-0.20	-0.3
80	80.20	-0.20	-0.3

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.