

Certificate of Calibration

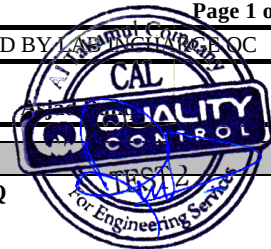
Al Takamul Yard, North Rumailah South Iraq

• Phone : +964 7810009138 • www.qualitycontrol-iraq.com • E-mail: op@qualitycontrol-iraq.com

Date of Issue: May 20, 2024

Page 1 of 1

REQUEST NUMBER : By Contract
JOB NUMBER : QC/JN/24/00217
CERTIFICATE NUMBER : QC240520-25

APPROVED BY:  CAL

CUSTOMER DETAILS

Name : HONGHUA OIL & GAS ENGINEERING SERVICES LTD. IRAQ
Address : Majnoon Oil Field , Basra - Iraq
Location : HH008

EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : Float Liquidometer
Manufacturer : MC
Model : NA
Serial Number : 1206383
Type : Analog
Location : Fuel Tank #1
Range : 0 to 2.5 Mpa
Calibrated Range : 0 to 2.5 Mpa
Resolution : NA
Tolerance : ± 1 % of Full Scale
As found : In Tolerance
Calibrated By : Asjad Rafiq
Calibration Date : May 20, 2024
Calibration Due : 19 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 Calibration Procedure QC/CP/R/03 Rev. 01

The above instrument has been calibrated in increasing and decreasing pressure mode using a Digital Pressure Calibrator as the reference standard having traceability to Internationally recognised standards.

REFERENCE EQUIPMENT USED

DESCRIPTION	SERIAL NO.	MAKE / MODEL	CALIBRATION DATE	CALIBRATION DUE DATE
Digital Pressure Gauge	468802	AMETEK / XP2i	20 Nov, 2023	19 Nov, 2024

CALIBRATION TEST RESULTS

Measured Values on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Error Percentage
Mpa	Mpa	Mpa	$\pm$
0	0.00	0.00	0.0
0.5	0.51	-0.01	-0.4
1.0	1.01	-0.01	-0.4
1.5	1.50	0.00	0.0
2.0	1.90	0.10	4.0
2.5	2.50	0.00	0.0

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.

Certificate of Calibration

Al Takamul Yard, North Rumailah South Iraq

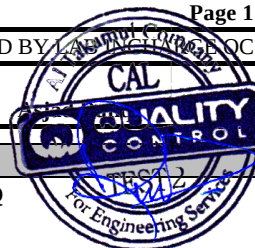
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Page 1 of 1

REQUEST NUMBER : By Contract
JOB NUMBER : QC/JN/24/00217
CERTIFICATE NUMBER : QC240520-26

APPROVED BY: [Signature]



CUSTOMER DETAILS

Name : HONGHUA OIL & GAS ENGINEERING SERVICES LTD. IRAQ
Address : Majnoon Oil Field , Basra - Iraq
Location : HH008

EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : Float Liquidometer
Manufacturer : MC
Model : NA
Serial Number : 1206378
Type : Analog
Location : Fuel Tank #2
Range : 0 to 2.5 Mpa
Calibrated Range : 0 to 2.5 Mpa
Resolution : NA
Tolerance : ± 1 % of Full Scale
As found : In Tolerance
Calibrated By : Asjad Rafiq
Calibration Date : May 20, 2024
Calibration Due : 19 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 Calibration Procedure QC/CP/R/03 Rev. 01

The above instrument has been calibrated in increasing and decreasing pressure mode using a Digital Pressure Calibrator as the reference standard having traceability to Internationally recognised standards.

REFERENCE EQUIPMENT USED

DESCRIPTION	SERIAL NO.	MAKE / MODEL	CALIBRATION DATE	CALIBRATION DUE DATE
Digital Pressure Gauge	468802	AMETEK / XP2i	20 Nov, 2023	19 Nov, 2024

CALIBRATION TEST RESULTS

Measured Values on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Error Percentage
Mpa	Mpa	Mpa	$\pm$
0	0.00	0.00	0.0
0.5	0.498	0.00	0.1
1.0	0.988	0.01	0.5
1.5	1.501	0.00	0.0
2.0	2.020	-0.02	-0.8
2.5	2.509	-0.01	-0.4

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.

Certificate of Calibration

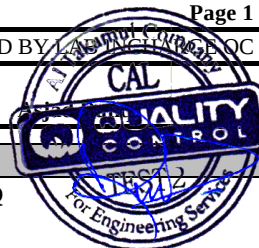
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Page 1 of 1

REQUEST NUMBER	: By Contract	APPROVED BY	LABORATORY NO. QC
JOB NUMBER	: QC/JN/24/00217		
CERTIFICATE NUMBER	: QC240520-27		



CUSTOMER DETAILS

Name : HONGHUA OIL & GAS ENGINEERING SERVICES LTD. IRAQ
Address : Majnoon Oil Field , Basra - Iraq
Location : HH008

EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : Float Liquidometer
Manufacturer : MC
Model : NA
Serial Number : 1206379
Type : Analog
Location : Fuel Tank #3
Range : 0 to 2.5 Mpa
Calibrated Range : 0 to 2.5 Mpa
Resolution : NA
Tolerance : ±1 % of Full Scale
As found : In Tolerance
Calibrated By : Asjad Rafiq
Calibration Date : May 20, 2024
Calibration Due : 19 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 ± 2°C **Humidity** : 44.0 ± 5 % RH **Atm. Pressure** : 1011.0 ± 10 hPa

CALIBRATION METHOD

The above equipment has been calibrated in accordance with Calibration Procedure QC/CP/R/03 Rev. 01

The above instrument has been calibrated in increasing and decreasing pressure mode using a Digital Pressure Calibrator as the reference standard having traceability to Internationally recognised standards.

REFERENCE EQUIPMENT USED

DESCRIPTION	SERIAL NO.	MAKE / MODEL	CALIBRATION DATE	CALIBRATION DUE DATE
Digital Pressure Gauge	468802	AMETEK / XP2i	20 Nov, 2023	19 Nov, 2024

CALIBRATION TEST RESULTS

Measured Values on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Error Percentage
Mpa	Mpa	Mpa	±
0	0.00	0.00	0.0
0.5	0.502	0.00	-0.1
1.0	1.009	-0.01	-0.4
1.5	1.503	0.00	-0.1
2.0	2.003	0.00	-0.1
2.5	2.509	-0.01	-0.4

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.