

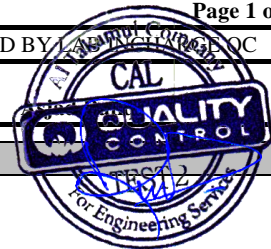
Certificate of Calibration

Al Takamul Yard, North Rumailah South Iraq

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

Date of Issue: January 22, 2025

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REQUEST NUMBER	: By Contract	APPROVED BY: 
JOB NUMBER	: QC-CAL-25030	
CERTIFICATE NUMBER	: QC-CAL-25030-059	

CUSTOMER DETAILS

Name : **Honghua Oil & Gas Engineering Services Limited**
 Address : Basra, South Iraq
 Department : HH008

EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : Pressure Gauge
 Manufacturer : MC
 Model : NA
 Serial Number : 19050038D
 Location : RigFloor - HPU
 Type : Analog
 Range : 0 to 2300 psi
 Calibrated Range : 0 to 2300 psi
 Resolution : 100 psi
 Accuracy Class : 2.5
 Tolerance : 2.5 % of Full Scale
 As found : In Tolerance
 Calibrated By : Abdulrahman Loay
 Calibration Date : January 22, 2025
Calibration Due : 21 January 2026
 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	5 Nov, 2024	4 Nov, 2025

CALIBRATION TEST RESULTS

Measured Values on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Error Percentage
psi	psi	psi	±
0	0	0.00	0.0
500.0	501.0	-1.00	0.0
1250.0	1252.0	-2.00	-0.1
1750.0	1752.0	-2.00	-0.1
2300.0	2306.0	-6.00	-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.

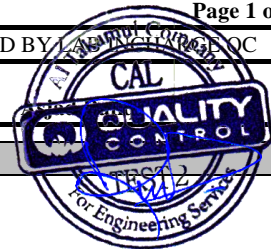
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REQUEST NUMBER	: By Contract	APPROVED BY: 
JOB NUMBER	: QC-CAL-25030	
CERTIFICATE NUMBER	: QC-CAL-25030-060	

CUSTOMER DETAILS

Name : **Honghua Oil & Gas Engineering Services Limited**
 Address : Basra, South Iraq
 Department : HH008

EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : Pressure Gauge
 Manufacturer : MC
 Model : NA
 Serial Number : 2003242148
 Location : RigFloor - HPU
 Type : Analog
 Range : 0 to 2300 psi
 Calibrated Range : 0 to 2300 psi
 Resolution : 100 psi
 Accuracy Class : 2.5
 Tolerance : 2.5 % of Full Scale
 As found : In Tolerance
 Calibrated By : Abdulrahman Loay
 Calibration Date : January 22, 2025
Calibration Due : 21 January 2026
 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	5 Nov, 2024	4 Nov, 2025

CALIBRATION TEST RESULTS

Measured Values on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Error Percentage
psi	psi	psi	±
0	0	0.00	0.0
500.0	501.0	-1.00	0.0
1250.0	1252.0	-2.00	-0.1
1750.0	1753.0	-3.00	-0.1
2300.0	2305.0	-5.00	-0.2

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.

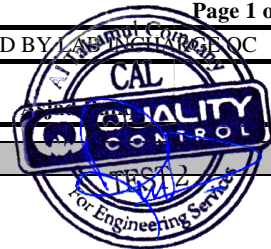
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REQUEST NUMBER	: By Contract	APPROVED BY: 
JOB NUMBER	: QC-CAL-25030	
CERTIFICATE NUMBER	: QC-CAL-25030-061	

CUSTOMER DETAILS

Name : **Honghua Oil & Gas Engineering Services Limited**
 Address : Basra, South Iraq
 Department : HH008

EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : Pressure Gauge
 Manufacturer : MC
 Model : NA
 Serial Number : 13073427
 Location : RigFloor - HPU
 Type : Analog
 Range : 0 to 2300 psi
 Calibrated Range : 0 to 2300 psi
 Resolution : 50 psi
 Accuracy Class : 2.5
 Tolerance : 2.5 % of Full Scale
 As found : In Tolerance
 Calibrated By : Abdulrahman Loay
 Calibration Date : January 22, 2025
Calibration Due : 21 January 2026
 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	5 Nov, 2024	4 Nov, 2025

CALIBRATION TEST RESULTS

Measured Values on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Error Percentage
psi	psi	psi	±
0	0	0.00	0.0
500.0	502.0	-2.00	-0.1
1250.0	1253.0	-3.00	-0.1
1750.0	1755.0	-5.00	-0.2
2300.0	2307.0	-7.00	-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.

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REQUEST NUMBER	: By Contract	APPROVED BY: _____
JOB NUMBER	: QC-CAL-25030	
CERTIFICATE NUMBER	: QC-CAL-25030-062	



CUSTOMER DETAILS

Name : **Honghua Oil & Gas Engineering Services Limited**
 Address : Basra, South Iraq
 Department : HH008

EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : Pressure Gauge
 Manufacturer : MC
 Model : NA
 Serial Number : 13122311C
 Location : RigFloor - HPU
 Type : Analog
 Range : 0 to 2300 psi
 Calibrated Range : 0 to 2300 psi
 Resolution : 50 psi
 Accuracy Class : 2.5
 Tolerance : 2.5 % of Full Scale
 As found : In Tolerance
 Calibrated By : Abdulrahman Loay
 Calibration Date : January 22, 2025
Calibration Due : 21 January 2026
 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	5 Nov, 2024	4 Nov, 2025

CALIBRATION TEST RESULTS

Measured Values on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Error Percentage
psi	psi	psi	±
0	0	0.00	0.0
500.0	496.0	4.00	0.2
1250.0	1248.0	2.00	0.1
1750.0	1751.0	-1.00	0.0
2300.0	2302.0	-2.00	-0.1

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.

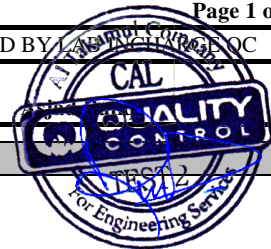
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REQUEST NUMBER	: By Contract	APPROVED BY: 
JOB NUMBER	: QC-CAL-25030	
CERTIFICATE NUMBER	: QC-CAL-25030-070	

CUSTOMER DETAILS

Name : **Honghua Oil & Gas Engineering Services Limited**
 Address : Basra, South Iraq
 Department : HH008

EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : Pressure Gauge
 Manufacturer : MC
 Model : NA
 Serial Number : 13070342
 Location : RigFloor - HPU
 Type : Analog
 Range : 0 to 600 psi
 Calibrated Range : 0 to 600 psi
 Resolution : 20 psi
 Accuracy Class : 2.5
 Tolerance : 2.5 % of Full Scale
 As found : In Tolerance
 Calibrated By : Abdulrahman Loay
 Calibration Date : January 22, 2025
Calibration Due : 21 January 2026
 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	5 Nov, 2024	4 Nov, 2025

CALIBRATION TEST RESULTS

Measured Values on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Error Percentage
psi	psi	psi	±
0	0	0.00	0.0
150.0	150.8	-0.80	-0.1
300.0	301.0	-1.00	-0.2
450.0	451.0	-1.00	-0.2
600.0	603.0	-3.00	-0.5

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.

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Date of Issue: January 22, 2025

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REQUEST NUMBER	: By Contract	APPROVED BY: 
JOB NUMBER	: QC-CAL-25030	
CERTIFICATE NUMBER	: QC-CAL-25030-071	

CUSTOMER DETAILS

Name : **Honghua Oil & Gas Engineering Services Limited**
 Address : Basra, South Iraq
 Department : HH008

EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : Pressure Gauge
 Manufacturer : MC
 Model : NA
 Serial Number : 1667501
 Location : RigFloor - HPU
 Type : Analog
 Range : 0 to 3600 psi
 Calibrated Range : 0 to 3600 psi
 Resolution : 50 psi
 Accuracy Class : 2.5
 Tolerance : 2.5 % of Full Scale
 As found : In Tolerance
 Calibrated By : Abdulrahman Loay
 Calibration Date : January 22, 2025
Calibration Due : 21 January 2026
 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	5 Nov, 2024	4 Nov, 2025

CALIBRATION TEST RESULTS

Measured Values on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Error Percentage
psi	psi	psi	±
0	0	0.00	0.0
800.0	803.0	-3.00	-0.1
1600.0	1605.0	-5.00	-0.1
2400.0	2408.0	-8.00	-0.2
3600.0	3612.0	-12.00	-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.


Certificate of Calibration

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Date of Issue: January 22, 2025

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REQUEST NUMBER	: By Contract	APPROVED BY: 
JOB NUMBER	: QC-CAL-25030	
CERTIFICATE NUMBER	: QC-CAL-25030-072	

CUSTOMER DETAILS

Name : **Honghua Oil & Gas Engineering Services Limited**
 Address : Basra, South Iraq
 Department : HH008

EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : Pressure Gauge
 Manufacturer : MC
 Model : NA
 Serial Number : 1665604
 Location : RigFloor - HPU
 Type : Analog
 Range : 0 to 3600 psi
 Calibrated Range : 0 to 3600 psi
 Resolution : 50 psi
 Accuracy Class : 2.5
 Tolerance : 2.5 % of Full Scale
 As found : In Tolerance
 Calibrated By : Abdulrahman Loay
 Calibration Date : January 22, 2025
Calibration Due : 21 January 2026
 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	5 Nov, 2024	4 Nov, 2025

CALIBRATION TEST RESULTS

Measured Values on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Error Percentage
psi	psi	psi	±
0	0	0.00	0.0
800.0	802.0	-2.00	-0.1
1600.0	1603.0	-3.00	-0.1
2400.0	2405.0	-5.00	-0.1
3600.0	3609.0	-9.00	-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.