

## 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 24, 2025

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REQUEST NUMBER	: By Contract	APPROVED BY: 
JOB NUMBER	: QC-CAL-25030	
CERTIFICATE NUMBER	: QC-CAL-25030-115	

### 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 : 00000314  
 Serial Number : 19084447S  
 Location : BOP Controle Panel (DSV)  
 Type : Analog  
 Range : 0 to 3500 psi  
 Calibrated Range : 0 to 3500 psi  
 Resolution : 100 psi  
 Accuracy Class : 1.6  
 Tolerance : 1.6 % of Full Scale  
 As found : In Tolerance  
 Calibrated By : Hussein Alaa  
 Calibration Date : January 24, 2025  
**Calibration Due : 23 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
1750.0	1752.0	-2.00	-0.1
2500.0	2505.0	-5.00	-0.1
3500.0	3508.0	-8.00	-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-25030-116	

### 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 : 00000314  
 Serial Number : 19084433S  
 Location : BOP Controle Panel (DSV)  
 Type : Analog  
 Range : 0 to 3500 psi  
 Calibrated Range : 0 to 3500 psi  
 Resolution : 100 psi  
 Accuracy Class : 1.6  
 Tolerance : 1.6 % of Full Scale  
 As found : In Tolerance  
 Calibrated By : Hussein Alaa  
 Calibration Date : January 24, 2025  
**Calibration Due : 23 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
1750.0	1754.0	-4.00	-0.1
2500.0	2505.0	-5.00	-0.1
3500.0	3509.0	-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.

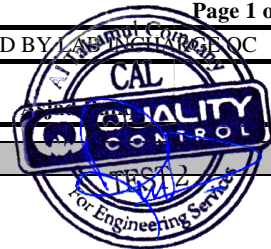
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REQUEST NUMBER	: By Contract	APPROVED BY: 
JOB NUMBER	: QC-CAL-25030	
CERTIFICATE NUMBER	: QC-CAL-25030-118	

### 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 : 00000314  
 Serial Number : 19084430D  
 Location : BOP Controle Panel (DSV)  
 Type : Analog  
 Range : 0 to 5800 psi  
 Calibrated Range : 0 to 5800 psi  
 Resolution : 100 psi  
 Accuracy Class : 1.6  
 Tolerance : 1.6 % of Full Scale  
 As found : In Tolerance  
 Calibrated By : Hussein Alaa  
 Calibration Date : January 24, 2025  
**Calibration Due : 23 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
1500.0	1505.0	-5.00	-0.1
3000.0	3009.0	-9.00	-0.2
4500.0	4513.0	-13.00	-0.2
5800.0	5818.0	-18.00	-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.

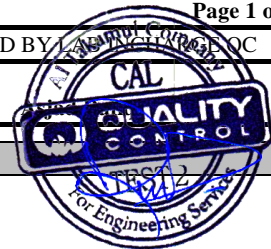
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REQUEST NUMBER	: By Contract	APPROVED BY: 
JOB NUMBER	: QC-CAL-25030	
CERTIFICATE NUMBER	: QC-CAL-25030-119	

### 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** : 13.11.294Q  
**Location** : BOP Controle Panel (DSV)  
**Type** : Analog  
**Range** : 0 to 230 psi  
**Calibrated Range** : 0 to 230 psi  
**Resolution** : 5 psi  
**Accuracy Class** : 1.6  
**Tolerance** : 1.6 % of Full Scale  
**As found** : In Tolerance  
**Calibrated By** : Hussein Alaa  
**Calibration Date** : January 24, 2025  
**Calibration Due** : 23 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
50.0	50.2	-0.20	-0.1
125.0	125.5	-0.50	-0.2
175.0	175.6	-0.60	-0.3
230.0	230.8	-0.80	-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.