

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 18, 2025

Page 1 of 1

REQUEST NUMBER	: By Contract	APPROVED BY: 
JOB NUMBER	: QC-CAL-25030	
CERTIFICATE NUMBER	: QC-CAL-25030-02	

CUSTOMER DETAILS

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

EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : Pressure Gauge
 Manufacturer : WIKA
 Model : EN837-1
 Serial Number : HH250119-03
 Location : Poor Boy
 Type : Analog
 Range : 0 to 230 psi
 Calibrated Range : 0 to 230 psi
 Resolution : 10 psi
 Accuracy Class : 1.6
 Tolerance : 1.6 % of Full Scale
 As found : In Tolerance
 Calibrated By : Hussein Alaa
 Calibration Date : January 18, 2025
Calibration Due : 17 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	50.3	-0.30	-0.1
125.0	125.2	-0.20	-0.1
175.0	175.5	-0.50	-0.2
230.0	230.6	-0.60	-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.

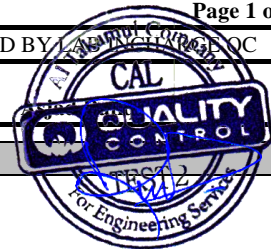
Certificate of Calibration

Al Takamul Yard, North Rumailah South Iraq

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

Date of Issue: January 18, 2025

Page 1 of 1

REQUEST NUMBER	: By Contract	APPROVED BY: 
JOB NUMBER	: QC-CAL-25030	
CERTIFICATE NUMBER	: QC-CAL-25030-03	

CUSTOMER DETAILS

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

EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : Pressure Gauge
 Manufacturer : BADOTHERM
 Model : NA
 Serial Number : HH250119-01
 Location : Poor Boy
 Type : Analog
 Range : 0 to 30 psi
 Calibrated Range : 0 to 30 psi
 Resolution : 1 psi
 Accuracy Class : 1.0
 Tolerance : 1.0 % of Full Scale
 As found : In Tolerance
 Calibrated By : Hussein Alaa
 Calibration Date : January 18, 2025
Calibration Due : 17 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
5.0	4.95	0.05	0.2
15.0	14.98	0.02	0.1
20.0	19.99	0.01	0.0
30.0	30.02	-0.02	-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.


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 18, 2025

Page 1 of 1

REQUEST NUMBER	: By Contract	APPROVED BY:  / CAP. IN CHARGE QC
JOB NUMBER	: QC-CAL-25030	
CERTIFICATE NUMBER	: QC-CAL-25030-04	

CUSTOMER DETAILS

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

EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : Pressure Relief Valve
Manufacturer : Zhejiangfuyu
Model : A26H-1
Serial Number : 10887
Set/Pressure : 1.02 MPa
Tolerance : $\pm 3\%$
Location : Poor Boy
Calibrated By : Hussein Alaa
Calibration Date : January 18, 2025
Calibration Due : **January 17, 2026**



ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature : $22.0 \pm 2^\circ\text{C}$ Humidity : $44.0 \pm 5\% \text{ RH}$ Atm. Pressure : $1011.0 \pm 10 \text{ hPa}$

CALIBRATION METHOD

Standard Method API 527 was used to test the unit under test. Test pressure was applied on inlet of unit under test and test was repeated 3 times. Identical repeatings were carried out as recommended in used standard.

REFERENCE EQUIPMENT USED

DESCRIPTION	SERIAL NO.	MAKE / MODEL	CALIBRATION DATE	CALIBRATION DUE DATE
Digital Pressure Gauge	1505119397	Sino Instruments / HS108	5 Nov, 2024	4 Nov, 2025

CALIBRATION TEST RESULTS

Set Value on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Tolerance Limit
MPa	MPa	MPa	\pm MPa
1.02	0.98	0.04	0.03

Results :

The above Value Indicates That the Instrument complies with the Specified Maximum Permissible error tolerance.
At The Time of Calibration. and ready for use.

DEVIATION FROM STANDARD METHOD : None

REMARK (S) :

- The results relate to measurements taken at nominal value only.
- Adjustments were made prior to calibration.
- Accessories were fitted.

~ END OF DOCUMENT ~