

## 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

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REQUEST NUMBER	: By Contract	APPROVED BY: 
JOB NUMBER	: QC-CAL-25030	
CERTIFICATE NUMBER	: QC-CAL-25030-05	

### 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 : 1908074487  
 Location : Air Tank-Rig Floor  
 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 : Abdulrahman Loay  
 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	50.0	-0.03	0.0
125.0	125.1	-0.08	0.0
175.0	175.3	-0.30	-0.1
230.0	230.5	-0.50	-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:  / CHARGE QC
JOB NUMBER	: QC-CAL-25030	
CERTIFICATE NUMBER	: QC-CAL-25030-06	

### CUSTOMER DETAILS

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

### EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : Pressure Relief Valve  
 Manufacturer : FUYU  
 Model : ND50  
 Serial Number : HH250119-02  
 Set/Pressure : 1.2 MPa  
 Tolerance :  $\pm 3\%$   
 Location : Air Tank-Rig Floor  
 Calibrated By : Abdulrahman Loay  
 Calibration Date : January 18, 2025  
**Calibration Due** : **January 17, 2026**



### ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature : 22.0  $\pm$  2°C      Humidity : 44.0  $\pm$  5 % RH      Atm. Pressure : 1011.0  $\pm$  10 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
1.2	1.19	0.01	0.04

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.

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