

## Certificate of Calibration

Al Takamul Yard, North Rumailah South Iraq

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Date of Issue: January 27, 2024

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|                    |                        |                                    |
|--------------------|------------------------|------------------------------------|
| REQUEST NUMBER     | : By Contract          | APPROVED BY: [Signature] CHARGE QC |
| JOB NUMBER         | : QC/JN/24/0015        |                                    |
| CERTIFICATE NUMBER | : <b>QCPG240125-17</b> |                                    |



### CUSTOMER DETAILS

Name : **HONGHUA OIL & GAS ENGINEERING SERVICES LTD**  
 Address : Iraq, Basra, South Rumailah  
 Area : HH029

### EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : Pressure Gauge  
 Manufacturer : GLOOR  
 Model : "R 1/4"  
 Serial Number : CAL-PG-A-07  
 Type : Analog  
 Location : Spare Regulator  
 Range : ( 0 - 315 ) bar  
 Calibrated Range : ( 0 - 315 ) bar  
 Resolution : 10 bar  
 Accuracy : 2.5  
 Tolerance : 2.5 % from Each Reading  
 As found Condition : Good  
 Calibrated By : Mahdi Haleem  
 Calibration Date : January 27, 2024  
**Calibration Due : January 26, 2025**



**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 : 22 ± 2°C Humidity : 44 ± 5 % RH Atm. Pressure : 1011 ± 10 hPa

### CALIBRATION METHOD

The above equipment has been calibrated in accordance with BS EN837-1  
 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 | 15 Aug, 2023     | 14 Aug, 2024         |

### CALIBRATION TEST RESULTS

| Measured Values on Unit Under Calibration (M) | Ref. Standard Values (A) | Deviation (D=M-A) | Tolerance Limit |
|---|--------------------------|-------------------|-----------------|
| bar   | bar                      | bar               | ± bar           |
| 0.00  | 0.00                     | 0.00              | 0.00            |
| 100.00  | 101.50                   | -1.50             | 2.50            |
| 200.00  | 201.00                   | -1.00             | 5.00            |
| 300.00  | 303.83                   | -3.82             | 7.50            |
| 315   | 320.91                   | -5.91             | 7.88            |

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.