

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: October 29, 2024

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REQUEST NUMBER : By Contract	CUSTOMER DETAILS
JOB NUMBER : QC-YB-240015	Name Halliburton Worldwide IRAQ (HPS)
CERTIFICATE NUMBER : QC-YB-240015-39	Address Western Burjesia, Oil Street, District Zubair-South Iraq

Description : **Pressure Gauge**
 Manufacturer : NOV Hydra Rig
 Model : NA
 Serial Number : 153
 Type : Analog
 Location : Power Pack (SAP 10548827)
 Range : 0 to 5000 psi
 Calibrated Range : 0 to 5000 psi
 Resolution : 100 psi
 Accuracy : NA
 Tolerance : ± 1.0 % of Full Scale
 As found : In Tolerance
 Calibration Date : October 29, 2024
Calibration Due : 28 October 2025
 Last Calibration : November 7, 2023



DEVIATION FROM STANDARD METHOD : None

REMARK (S) :

1. No adjustments were made prior to calibration.
2. No accessories were fitted.
3. Values were rounded in computation.

ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature : 35.0 ± 2°C Humidity : 15.0 ± 5 % RH Atm. Pressure 1013.0 ± 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	20 Nov, 2023	19 Nov, 2024

CALIBRATION TEST RESULTS

Measured Values on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Full Scale Error %
psi	psi	psi	%
0	0.00	0.00	0.0
1200	1214.0	-14.00	-0.3
2500	2517.0	-17.00	-0.3
3700	3721.0	-21.00	-0.4
5000	5024.0	-24.00	-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.

CALIBRATED BY	REVIEWED & APPROVED BY / LAB INCHARGE	CLIENT
 Abdulrahman Loay	 LAB INCHARGE Asjad Rafiq	

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REQUEST NUMBER : By Contract	CUSTOMER DETAILS
JOB NUMBER : QC-YB-240015	Name Halliburton Worldwide IRAQ (HPS)
CERTIFICATE NUMBER : QC-YB-240015-40	Address Western Burjesia, Oil Street, District Zubair-South Iraq

Description : **Pressure Gauge**
 Manufacturer : NOV Hydra Rig
 Model : NA
 Serial Number : 154
 Type : Analog
 Location : Power Pack (SAP 10548827)
 Range : 0 to 5000 psi
 Calibrated Range : 0 to 5000 psi
 Resolution : 100 psi
 Accuracy : NA
 Tolerance : ± 1.0 % of Full Scale
 As found : In Tolerance
 Calibration Date : October 29, 2024
Calibration Due : 28 October 2025
 Last Calibration : November 7, 2023



DEVIATION FROM STANDARD METHOD : None

REMARK (S) :

1. No adjustments were made prior to calibration.
2. No accessories were fitted.
3. Values were rounded in computation.

ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature : 35.0 ± 2°C Humidity : 15.0 ± 5 % RH Atm. Pressure 1013.0 ± 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	20 Nov, 2023	19 Nov, 2024

CALIBRATION TEST RESULTS

Measured Values on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Full Scale Error %
psi	psi	psi	%
0	0.00	0.00	0.0
1200	1217.0	-17.00	-0.3
2500	2522.0	-22.00	-0.4
3700	3724.0	-24.00	-0.5
5000	5028.0	-28.00	-0.6

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.

CALIBRATED BY	REVIEWED & APPROVED BY / LAB INCHARGE	CLIENT
 Abdulrahman Loay	 LAB INCHARGE Asjad Rafiq	

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REQUEST NUMBER : By Contract	CUSTOMER DETAILS
JOB NUMBER : QC-YB-240015	Name Halliburton Worldwide IRAQ (HPS)
CERTIFICATE NUMBER : QC-YB-240015-41	Address Western Burjesia, Oil Street, District Zubair-South Iraq

Description : **Pressure Gauge**
 Manufacturer : NOV Hydra Rig
 Model : NA
 Serial Number : 155
 Type : Analog
 Location : Power Pack (SAP 10548827)
 Range : 0 to 5000 psi
 Calibrated Range : 0 to 5000 psi
 Resolution : 100 psi
 Accuracy : NA
 Tolerance : ± 1.0 % of Full Scale
 As found : In Tolerance
 Calibration Date : October 29, 2024
Calibration Due : 28 October 2025
 Last Calibration : November 7, 2023



DEVIATION FROM STANDARD METHOD : None

REMARK (S) :

1. No adjustments were made prior to calibration.
2. No accessories were fitted.
3. Values were rounded in computation.

ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature : 35.0 ± 2°C Humidity : 15.0 ± 5 % RH Atm. Pressure 1013.0 ± 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	20 Nov, 2023	19 Nov, 2024

CALIBRATION TEST RESULTS

Measured Values on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Full Scale Error %
psi	psi	psi	%
0	0.00	0.00	0.0
1200	1186.0	14.00	0.3
2500	2488.0	12.00	0.2
3700	3685.0	15.00	0.3
5000	4989.0	11.00	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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 Abdulrahman Loay	 LAB INCHARGE Asjad Rafiq	

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REQUEST NUMBER : By Contract	CUSTOMER DETAILS
JOB NUMBER : QC-YB-240015	Name Halliburton Worldwide IRAQ (HPS)
CERTIFICATE NUMBER : QC-YB-240015-42	Address Western Burjesia, Oil Street, District Zubair-South Iraq

Description : **Pressure Gauge**
 Manufacturer : NOV Hydra Rig
 Model : NA
 Serial Number : 156
 Type : Analog
 Location : Power Pack (SAP 10548827)
 Range : 0 to 600 psi
 Calibrated Range : 0 to 600 psi
 Resolution : 10 psi
 Accuracy : NA
 Tolerance : ± 1.0 % of Full Scale
 As found : In Tolerance
 Calibration Date : October 29, 2024
Calibration Due : 28 October 2025
 Last Calibration : November 7, 2023



DEVIATION FROM STANDARD METHOD : None

REMARK (S) :

1. No adjustments were made prior to calibration.
2. No accessories were fitted.
3. Values were rounded in computation.

ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature : 35.0 ± 2°C Humidity : 15.0 ± 5 % RH Atm. Pressure 1013.0 ± 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	20 Nov, 2023	19 Nov, 2024

CALIBRATION TEST RESULTS

Measured Values on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Full Scale Error %
psi	psi	psi	%
0	0.00	0.00	0.0
150	153.0	-3.00	-0.5
300	304.0	-4.00	-0.7
450	454.0	-4.00	-0.7
600	605.0	-5.00	-0.8

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.

CALIBRATED BY	REVIEWED & APPROVED BY / LAB INCHARGE	CLIENT
 Abdulrahman Loay	 LAB INCHARGE Asjad Rafiq	