

BAUMER TECHNOLOGIES INDIA PVT. LTD.(CALIBRATION DIVISION)

CALIBRATION CERTIFICATE

BTIN(CD)/F/7.8/02

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Receipt Date of Instrument:	13.07.2023	<table border="1"> <tr> <th colspan="2">Calibration Certificate of</th> </tr> <tr> <th colspan="2">Digital Pressure Gauge</th> </tr> <tr> <td>Range:</td> <td>0 to 1400 bar</td> </tr> </table>	Calibration Certificate of		Digital Pressure Gauge		Range:	0 to 1400 bar
Calibration Certificate of								
Digital Pressure Gauge								
Range:	0 to 1400 bar							
Customers Ref. No.:	Challan No.11072023/02							
Condition of the Instrument :	Good							
Date of Calibration	Recommended due date of Cal.	Certificate Issue Date	Certificate No.:	23071301				
13.07.2023	12.07.2024	14.07.2023	Date:	13.07.2023				
Discipline:	Mechanical	Location	ULR No.: CC276723000000684F					
Sub Group:	Pressure Indicating Devices	In Lab						

1.0 NAME & ADDRESS OF THE PARTY: **M/s. National Centre for Quality calibration,**
4, Abhishree Corporate Park,
Near Swagat bungalows BRTS, Iskcon - Ambli Road,
Ambli, Ahmedabad - 380058, Gujarat, India

2.0 CALIBRATION REQUEST FORM NO.: 23071301

3.0 DETAILS OF INSTRUMENT CALIBRATED:

*NAME	*MAKE	*SR. No/*ID No.	*RANGE	*RESOLUTION	*ACCURACY
Digital Pressure Gauge	Druck	2967029/ NCQC/M-78	0 to 1400 bar	0.1 bar	± 0.05% FS

4.0 ENVIRONMENTAL CONDITIONS: TEMPERATURE: (23 ± 1°C)
HUMIDITY: (45 to 55%RH)

5.0 DETAILS OF STANDARD USED:

MAKE & TYPE	SR. NO.	RANGE	UNCERTAINTY	Certified By (NABL Certi.No)	CERTIFICATE NO.	NEXT CAL.
Oil Operated Piston Gauge, DHI, USA	1187	5 to 200 MPa (50 to 2000 bar)	±43.0 ppm + 100 Pa	FLUKE	1500256748	18-MAR-2024

*As Specified by the Customer

Note : 1. The Standard used for calibration are calibrated by using reference-traceable to National / International standard.

Note : 2. Traceability Details : Reference equipment is traceable to NIST-USA, PTB-Germany & LNE-France vide Certificate No.1500256321 dated 28.03.2019 accredited to a2LA, USA.

This certificate provides traceability of measurement to recognized International Standards and to the units of measurement realized at Recognized by National Metrological Institutes.

Note : 3. Reference document for calibration : BTIN(CD)/TOP/7.2/03 & DKD -R 6-1:2014.

Note : 4. Calibration of Pressure gauge done by an accredited Laboratory is meant for Scientific & Industrial purpose only.

CALIBRATED BY

Keyur Lad
Laboratory Technician

NCQC
Valid up to 12-07-2024
Reviewed

APPROVED BY

Ankita Patel
Technical Manager



NCQC System Certificate No. 39

BAUMER TECHNOLOGIES INDIA PVT. LTD. (CALIBRATION DIVISION)

 CALIBRATION CERTIFICATE OF
 Digital Pressure Gauge

BTIN(CD)/F/7.8/02

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Certificate No.:	23071301
Range (R) :	0 to 1400 bar

OBSERVATION TABLE:

Sr.	Pressure Indicated	Observed Reading On STD. in bar				Average Value P_{avg} in bar	Error in bar	Repeatability in bar	Hysteresis of Avg Reading	Expanded Uncertainty in bar U (\pm)
No.	P_{act}	M1	M2	M3	M4	$\frac{[(M1+M3)/2]+[(M2+M4)/2]}{2}$	$(P_{act}-P_{avg})$	$\text{MAX}\{ (M3-M1) , (M4-M2) \}$	$\frac{\{ (M2-M1) + (M4-M3) \}}{2}$	
1	0.0	0.00000	0.00000	0.00000	0.00000	0.0000	0.0000	0.0000	0.0000	0.058
2	140.0	140.01030	140.01050	140.01070	140.00830	140.0100	-0.0100	0.0022	0.0013	0.058
3	200.0	200.09850	200.09870	200.09890	200.09640	200.0981	-0.0981	0.0023	0.0014	0.059
4	400.0	400.17490	400.17520	400.17540	400.17250	400.1745	-0.1745	0.0027	0.0016	0.063
5	600.0	600.39950	600.39970	600.39990	600.39750	600.3992	-0.3992	0.0022	0.0013	0.076
6	800.0	800.41490	800.41520	800.41540	800.41080	800.4141	-0.4141	0.0044	0.0025	0.076
7	1000.0	1000.4570	1000.4590	1000.4620	1000.4190	1000.4493	-0.4493	0.0400	0.0225	0.086
8	1200.0	1200.5090	1200.5120	1200.5140	1200.4850	1200.5050	-0.5050	0.0270	0.0160	0.094
9	1400.0	1400.5890	1400.5920	1400.5940	1400.5370	1400.5780	-0.5780	0.0550	0.0300	0.106

The expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor, $k = 2.0$ providing the 95.45% confidence level.

Notes:

- 1) Calibration has been done without adjustment.
- 2) Calibration Points & due date are provided as per customer recommendation.
- 3) This certificate refers only to the particular item submitted for calibration.

Any anomalies/discrepancies in this report should be brought to our notice within 45 days from the date of issue of this report

CALIBRATED BY

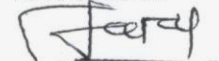

 Keyur Lad

Laboratory Technician

CHECKED BY


 Ankita Patel

Technical Manager

APPROVED BY


 Ankita Patel

Technical Manager