

CALIBRATION CERTIFICATE

TTCS/F-47/07/01		ISSUE / REV : 01/00		PAGE NO. : 1 OF 1	
Certificate Number : TTCS250611/1 / TC / MP / 001		Date of Calibration : 06/11/2025			
ULR Number : CC396225000000012F		Calibration Due Date : 06/11/2026			
Discipline : Mechanical		(As per Customer Request)			
Group : Pressure Indicating Devices		Certificate Issue Date : 06/11/2025			
Customer Details : Techno Instrument Santej, Ahmedabad, Gujarat, India, 382721		Receipt Date : 06/11/2025			
		Calibrated at : At Site			
		Condition of Receipt : Satisfactory			
		Receipt No. : TTCS250611/1			
Details of Unit Under Calibration :					
Nomenclature : Pressure Gauge		Serial Number : Sr_11			
Make/Model : Baumer/BA01		ID Number : Id_11			
User Location : Plant-1		Range : 0 to 650 Kg/cm ²			
Medium : Hydraulic		Least Count : 0.10 Kg/cm ²			
Details of Standard Used :					
Nomenclature : Digital Pressure Gauge		Certificate No. : CAL/24-25/CC/0622-1			
ID No. : TTCS/PG/002		Valid Upto : 12/25/2025			
Range / LC : 0 to 700 bar / 0.01 bar		Calibrated By : Nashik Engineering Cluster			
The Standard used are traceable to National / International Standards.					
Work Instruction No : TTCS/CP/07		Standard Used : DKD R-6-1 & NABL - 129			
Environment Details :		Temperature : 26.1 °C		Relative Humidity : 45 %RH	

CALIBRATION RESULTS

All readings are in Kg/cm²

Test Gauge Reading (P) Actual	Standard Readings				Mean Value	Deviation	Repeatability	Hysteresis	Expanded Uncertainty (± bar)
	Std. Up (M1)	Std. Down (M2)	Std. Up (M3)	Std. Down (M4)					
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.43
65	64.93	64.96	65.00	64.97	64.96	0.04	0.07	0.00	
130	129.88	129.85	129.86	129.86	129.86	0.14	0.01	0.02	
195	194.76	194.76	194.75	194.72	194.75	0.25	0.01	0.02	
260	259.69	259.60	259.70	259.67	259.67	0.33	0.07	0.05	
325	324.52	324.60	324.57	324.56	324.56	0.44	0.05	0.03	
390	389.45	389.48	389.41	389.43	389.44	0.56	0.04	0.03	
520	519.36	519.30	519.39	519.34	519.35	0.65	0.04	0.06	
650	649.20	649.24	649.30	649.24	649.25	0.75	0.10	0.01	

Notes :

- (1) The expanded uncertainty of measurement is expressed at a confidence level approximately 95.45% with coverage factor k=2
- (2) The Value has been rounded-off as per IS 2: 1960 wherever applicable.
- (3) The certificate pertains only to the items calibrated.
- (4) This certificate should not be reproduced except in full without a written permission of the laboratory.
- (5) The reported results are valid at the time of performance of calibration under specified conditions only.
- (6) Calibration is performed without doing any adjustment/Repairing in its original Condition.
- (7) Calibration of Pressure Gauge done is meant for scientific and industrial purpose only.
- (8) Readings are taken in Kg/cm² (Pressure) Conversion is 1 bar = 1.01972 Kg/cm²

-----END OF CERTIFICATE-----