


## CERTIFICATE OF CALIBRATION

<b>Calibrated for Name &amp; Address:-</b>	<b>M/s: Genist Technocracy Pvt. Ltd</b> <b>Lalru - Handesra Road, Village Malakpur, Lalru</b> <b>Distt Mohali (Punjab) -140501</b>	
Service request no.:- 2023/04/0213	Service request date:- 13/04/2023	
Date of receipt of Unit Under Calibration:- 14/04/2023	Condition of Unit Under Calibration:-ok	
Date of Calibration:- 14/04/2023	Next Suggested date of calibration:- 13/04/2024	
Date of Issue:- 16/04/2023	Certificate no.:- TCMS/02602.23	
Unique Lab Report No. CC286523000002602F		

### DESCRIPTION & IDENTIFICATION OF INSTRUMENT

Nomenclature:- Pressure Gauge	Range:- 0 to 4.2 kg/cm <sup>2</sup>
Make:- Guru	Least count:- 0.1 kg/cm <sup>2</sup>
Model no.:- Not Mentioned	Accuracy:- Not Specified
Serial no.:- Not Mentioned	Acceptance Criteria:- Not Specified
ID no.:- PG-11	Type:- Analog
Location:- Vertical Autoclave	
Ref. Standard:- DKD -R 6-1	Cali. Procedure. Ref.:- SOP/MECH/001
Environment Conditions. - Temperature. 23±1.5°C, Relative Humidity:- 30 to 75 % RH	Calibration done at: - On Site

### DETAILS OF STANDARD USED

Nomenclature	Make/Model	ID/Serial No.	Certificate No.	Calibration Valid up to
Digital Pressure Gauge	Keller/Leo2	TRU/CAL/DPG03 / 63627	VIS/22-23/O-060	13/01/2024

### DISCIPLINE:- MECHANICAL (PRESSURE CALIBRATION)

#### RESULTS

Parameter	Unit Under Calibration Reading (kg/cm <sup>2</sup> )	Indicating Values on Standard (kg/cm <sup>2</sup> )			Mean Value (kg/cm <sup>2</sup> )	Measurement Deviation (kg/cm <sup>2</sup> )	Repeatability (kg/cm <sup>2</sup> )	Hysteresis (kg/cm <sup>2</sup> )	EXPANDED UNCERTAINTY (±)
		M1 (UP)	M2 (DOWN)	M3 (UP)					
Pressure	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000 kg/cm <sup>2</sup>
	1.0	1.00	1.00	1.01	1.00	0.00	0.01	0.00	0.041 kg/cm <sup>2</sup>
	2.0	2.00	1.97	2.00	1.98	-0.02	0.00	-0.03	0.045 kg/cm <sup>2</sup>
	3.0	3.02	3.00	3.01	3.00	0.00	-0.01	-0.02	0.042 kg/cm <sup>2</sup>
	4.0	4.03	4.02	4.02	4.02	0.02	-0.01	-0.01	0.041 kg/cm <sup>2</sup>
	4.2	4.25	4.25	4.26	4.25	0.05	0.01	0.00	0.041 kg/cm <sup>2</sup>

Remarks:- \* Conversion Factor = 1 kg/cm<sup>2</sup> = 0.981 bar

\*\* During Calibration Reading are taken in bar then Converted to kg/cm<sup>2</sup> for user.

1. This certificate refers only to the particular item submitted for calibration.
2. This certificate shall not be reproduced, except in full, without the written permission of Tru Cal.
3. Results reported are valid at the time of & under the stated conditions of measurement.
4. Laboratory Standards are traceable to National Standards.
5. The reported expanded uncertainty in measurement is stated as the standard uncertainty in measurement multiplied by coverage factor  $k=2$ , which is for a normal distribution corresponds to a coverage probability and level of confidence of approximately 95%.

Calibrated by:

**Vikas Kumar**  
(Calibration Engineer)



Authorized Signatory:

**Paramjeet Singh**  
(QM/TM)