TransCal Technologies LLP
Measurement to Perfection...
100, West Park Road (Between Sampige and Margosa Road)
10th Cross, Malleshwaram, Bengaluru - 560 003
CC-2231

CALIBRATION CERTIFICATE

Customer Name & Add. : M/s. NATIONAL CENTRE FOR QUALITY CALIBRATION
4,ABHISHREE CORPORATE PARK,NR.SWAGAT BUNGLOWS,BRTS,ISKON-AMBLI ROAD,AMBLI,AHMEDABAD-380058,GUJARAT,INDIA.

SRF No. : TSC/23-24/16682 **Dated :** 09 Jan 2024 **Cert.Issued Date :** 11 Jan 2024

ULR.NO CC223124000003691F

Calibration Certificate Number	Calibrated Date	Calibration Due Date	Page Number
TSC/23-24/16682-2	10 Jan 2024	—	1 of 3

Details of device under calibration **Transcal ID** : TSC467354

Nomenclature	:Digital Vibration Meter	No. of Pages	: 3
Make	:HTC	Cal Procedure No.	: TSC/CAL/613
Model/Range	:VB-8205	DUC Received	: 09 Jan 2024
Sl No.	:NCQC/M-195	DUC Condition on Receipt	: Satisfactory
ID No.	:N793990	Cal At	: Mechanical Lab
Calibrated By	:Janardhan S, Calibration Engineer		

Environmental Conditions : Temperature in °C : 23.2 **Humidity in RH % : 52.1**

Standards used :

Sl No.	Nomenclature	Make	Model	Sl No/ID.No.	Certificate No.	Validity
1	Digital Vibration Meter	HTC	VB-8205	N978098	TSC/22-23/INH/MECH-323-1	01 Mar 2024

Note :

1. This Calibration Certificate relates only to the above DUC & Reported results are valid at the time of and under the stated conditions of measurements.
2. Partial Publication/ reproduction of this Certificate in any form is not permitted without the written consent of TransCal.
3. Errors if any, in this Certificate shall be brought to notice within 45 days from the date of this Certificate
4. Measurement Uncertainty reported is at approximately 95 % confidence level with k=2; Units of Measurement results & Measurement Uncertainty are same as that of range selected - Unless otherwise indicated.
5. Calibration of the DUC is traceable to National/International Standards.
6. Corrections/erasing invalidate the Calibration Certificate.
7. Unless otherwise specified the Measurement Data reported is 'As Found'-Without any adjustment.
8. The Decision Rule:
   Simple Conformity Decision: Decision without considering Measurement Uncertainty, "PASS" indicates measured value is within or on threshold of Tolerance limit/Accuracy. "FAIL" indicates measured value is beyond threshold of Tolerance limit/Accuracy. "--" indicates no tolerance limit/Accuracy furnished.

NCQC Valid up to 09/01/2026 Reviewed

NCQC Valid up to 09-01-2026 Reviewed

TransCal Technologies LLP ★ BANGALORE Ph: 43688889 ★ Measurement to Perfection

Reviewed & Authorised By

Manjunath D J
(Lab Incharge)

NCQC System Certificate No. 281

Tel : +91 80 4368 8889, 2334 4723 Telefax : 2344 0676 E-mail : info@transcaal.com Website : www.transcaal.c

NCQC System Certificate No. 281

TRUE COPY

A Calibration Lab

Range : 0 to 400 m/s²

LC : 0.1 m/s²

Acc : ± 0.5%+2digit (Claimed by Customer)

ACCELERATION MODE : Peak

Sl No.	Frequency	Standard Reading in m/s²	DUC Reading in m/s²	Measurement Uncertainty ± in %	Remarks
1	10 Hz	1.07	1.0	6.36	Pass
2		5.14	5.1	3.54	Pass
3		10.20	10.0	3.41	Pass
4	50 Hz	1.03	1.1	6.53	Pass
5		5.08	5.0	3.55	Pass
6		10.14	10.0	3.41	Pass
7		20.21	20.0	3.37	Pass
8	100 Hz	1.06	1.1	6.40	Pass
9		5.12	5.0	3.54	Pass
10		10.17	10.0	3.41	Pass
11		20.18	19.9	3.37	Pass
12		50.23	49.9	3.37	Pass
13		100.26	99.8	3.37	Pass
14	300 Hz	1.12	1.0	6.15	Pass
15		5.20	5.0	3.54	Pass
16		10.24	10.0	3.41	Pass
17		20.30	20.1	3.37	Pass

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Manjunath D J
(Lab Incharge)

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Range : 0.5 -400mm/s
LC : 0.01 mm/s
Acc : ± 0.5%+2digit (Claimed by Customer)

VELOCITY MODE : RMS

Sl No.	Frequency	Standard Reading in mm/s	DUC Reading in mm/s	Measurement Uncertainty ± in %	Remarks
18	10 Hz	5.69	5.65	3.06	Pass
19		11.29	11.25	2.93	Pass
20		56.30	56.27	2.89	Pass
21	50 Hz	2.29	2.26	3.83	Pass
22		11.29	11.25	2.93	Pass
23		22.54	22.50	2.90	Pass
24		45.05	44.99	2.89	Pass
25	100 Hz	1.17	1.15	5.72	Pass
26		5.67	5.63	3.06	Pass
27		11.29	11.25	2.93	Pass
28		22.54	22.50	2.90	Pass
29		56.30	56.28	2.89	Pass
30	300 Hz	1.92	1.90	4.17	Pass
31		3.79	3.76	3.26	Pass
32		7.54	7.50	2.99	Pass

Conclusion Remarks:

1) Standard Meter Reading corrected as per the standard certificate
2) Method adopted for calibration : Back to back comparison as per ISO 16063 Part 21

*** END OF CERTIFICATE ***

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(Lab Incharge)