



CALIBRATION CERTIFICATE



Work Order No. : WO/ECL/647/20-21

Certificate No. : CC/ECL/1527/20-21

Date : 23/02/2021

Date of Calibration : 25/02/2021

ULR No. : CC228721100000402F

Page No. : 1 of 2

Discipline : Mechanical Calibration (Group : Acoustics)

TRUE COPY

Calibrated for : M/s. National Centre For Quality Calibration, 4, Abhishree Corporate Park, Near Swagat Bungalow BRTS, Iskon-Ambli Road, Ambli, Ahmedabad - 380 058, Gujarat, India.

Calibrated at : IDEMI, Mumbai.

Description and Identification of Device Under Calibration	Standard used for calibration
Name : Sound Calibrator Manufacturer : M/s. Delta Ohm Condition on receipt : No visible damage Points of Calibration : 94 dB & 114 dB at 1 kHz Sr. No. : 11001188 Model : HD2020 ID No. : NCQC/M-27	Sound Level Meter with Sound Level Calibrator ID No. : IDEMI/ECL/SLC/01 Calibration Validity upto 01/05/2022 All measurement results are traceable to the International system of units (SI), ensured by comparison, directly or indirectly with National or International standards through unbroken chain of calibration

Ambient Conditions :

Temperature : 25.3 °C

Relative Humidity : 54 %

Remarks : Please refer page 2 of 2 for Calibration Results.

1) Procedure of Calibration : Above mentioned item is calibrated as per operating procedure number : OP-S&R-02

2) The reported expanded uncertainty in Measurement is stated as the combined standard uncertainty in measurement multiplied by the Coverage Factor $k = 2$, which for a normal distribution corresponds to a coverage probability approximately 95 %.

3) Calibration Status : Sticker No. 1395 indicating 'CAL STATUS' is affixed on instrument. Valid up to 24-02-2022

4) Our NABL Accreditation Certificate No. is CC - 2287, Valid up to 30/08/2021.

5) Next Calibration Due on : 24/02/2022.

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VASUDEO

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AUTHORISED SIGNATORY

NCQC System Certificate No. 68

Note:

1. This certificate refers only to the particular item(s), submitted for calibration. The certificate should not be reproduced expect in full without the prior permission from the Principal Director, IDEMI, Mumbai - 400 022.
2. This is computer generated certificate and may not contain signature. Where send by email, this is signed with digital signature of authorized signatory, approved by NABL. For any queries, please quote work order number mentioned in this certificate



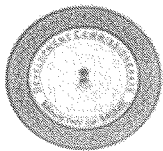
वैद्युतिक मापन उपयंत्र अभिकल्प संस्थान, मुंबई
INSTITUTE FOR DESIGN OF ELECTRICAL MEASURING INSTRUMENTS, MUMBAI

भारत सरकार की सोसायटी
सूक्ष्म लघु एवं मध्यम उद्यम मंत्रालय
Government of India Society

Ministry of Micro Small & medium Enterprises

स्वातंत्र्यवीर तात्या टोपे मार्ग चुनाभट्टी सायन झकघर मुंबई
Swatantryaveer Tatyta Tope Marg, Chunabhatti, Sion, P.O. Mumbai - 400 022

FF-LAB-03



वैद्युतिक मापन उपयंत्र अभिकल्प संस्थान, मुंबई ४०००२२
INSTITUTE FOR DESIGN OF ELECTRICAL
MEASURING INSTRUMENTS, MUMBAI - 400 022



Instrument Sr. No. : 11001188
Date of Calibration : 25/02/2021
ULR No. : CC228721100000402F

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Calibration Results :

DUC Setting in dB at 1 kHz	Standard Rdg. Measured in dB		Error in dB	
	'A' Wtg.	'C' Wtg.	'A' Wtg.	'C' Wtg.
94	94.2	94.3	-0.2	-0.3
114	114.1	114.2	-0.1	-0.2

Note :1) Value mentioned above is mean of 5 readings.

2) Expanded Uncertainty in above measurement is ± 0.5 dB.

3) As requested by customer, Sound Calibrator with $\frac{1}{2}$ inch cavity was calibrated at 94 dB & 114 dB at 1 kHz frequency for the accuracy of the generated sound pressure level with the calibrated B & K make sound level analyser, model 2250 with $\frac{1}{2}$ inch microphone and calibrated Omnicall make sound level calibrator (Traceable to NPL vide their calibration certificate number 20031404/D1.07/C-002). Measurement is carried out in Acoustic Chamber. Difference between inside and outside of sound level chamber was less than 30 dB at the time of measurement.

*** End of Calibration Certificate ***

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