



**ROOTS INDUSTRIES INDIA LIMITED**  
**ROOTS METROLOGY & TESTING LABORATORY**  
 # K.G Industrial Estate, Ganapathy, Coimbatore-641 006, India  
 Phone - 9585840192/9003432356



NABL/JIAC/024  
 NABL ACCREDITATION  
 CERTIFICATE NO. CC-2732

**CALIBRATION CERTIFICATE**

Name and address of the customer : The Medical officer  
 Government primary health centre  
 kodumbalur - pudukkottai( dist)

ULR Number: CZ275219000083790F  
 Certificate no : Rmt/01/319107848/8  
 Date of calibration : 19/11/2022  
 Suggested calibration due : 18/11/2023  
 Customer po. reference & date:

1.DESCRPTION OF DUC  
 Name Of The Duc : CENTRIFUGE  
 Make : LABOTECH  
 Model : BDI-152  
 SI.No : 2011694  
 Range/Size : 1-4000RPM/230v

Receiving Condition Of Duc : Good  
 Ref. Document :As Per Manufactures Specification  
 Environmental Condition :25.3 Deg & 54.3% Rh  
 Uncertainty Of Measurement :As Per Report  
 Location :LAB

THE MASTERS ARE TRACEABLE TO NATIONAL/INTERNATIONAL STANDARDS AS PER ISO/IEC 17025.

2.DETAILS OF MASTER USED

Standard Instrument Used	Make/ Model	Id No	Traceable To/Certificate No	Validity
Decade Megohm	Vaisashika	Rml-230	Vaiseshika,Ambala Cantt/Ved/Nabi/18-19[Et]/92	1-6-2023
Digital Tachometer	Mextec	Rml-251	Gsg/19/206/Tm/01	1-6-2023
Multi Product Callibrator	Fluke	Rml-262	Wavecal,Blr/Cs-18/01-01	1-6-2023
Multi Product Callibrator (Ac/Dc Current Coil)	Transmille	Rml-252-1	Wavecal,Blr/Cs-18/69-01	1-6-2023
Leakage Current Tester	Htc/CI-2054	Rml-254-1	Rmt/01/319107848	1-6-2023

CALIBRATION FIELD: Electro Technical (Voltage Calibration -Ac)

Sl.no	Range	Master readings v	Calibrated values v	Error observed v	Uncertainty v
1	0 v to 400v	230	231	1	0.055

CURRENT CALIBRATION Ac Current @50Hz

Sl.no	Range	Master readings mA	Calibrated values mA	Error observed mA	Uncertainty mA
1	40Ma-100A	2	2.002	-0.002	0.045

Resistance calibration

Sl.no	Range	Master readings ohms	Calibrated values ohms	Error observed ohms	Uncertainty Ohms
1	40	39	39.01	0.001	0.007

CALIBRATION FIELD: RPM Calibration

Sl.no	Range	Master readings RPM	Calibrated values RPM	Error observed RPM	Uncertainty RPM
1	1RPM to 4000RPM	1600RPM	1599RPM	1RPM	0.055

4.remarks

- 4.1 uncertainty estimated for a confidence level of 95% at the k factor=2
- 4.2the reported results are valid only for the condition of the inst/gauge received at the time of and under the condition of the calibration
- 4.3 DUC -device under calibration

Calibration label /status : Calibration result pass & fail are indicated



*P. V. Srinivasan*  
 CALIBRATION ENGINEER

*[Signature]*  
 AUTHORIZED SIGN

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