



**ROOTS INDUSTRIES INDIA LIMITED**  
**ROOTS METROLOGY & TESTING LABORATORY**  
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**CALIBRATION CERTIFICATE**

ULR Number: CC275219000083790F

<b>Name and address of the customer</b> TheMedicalOfficer Government Primery Health Center <b>Kadiyapatti–Pudukkottai(dist)</b>	<b>Certificate no</b> :Rmtl/01/319101310/007 <b>Date of calibration</b> :14/8/2023 <b>Suggested calibration due:</b> 13/8/2024 <b>Customer po.reference. &amp;date:</b>
<b>NameOfTheDuc</b> : <b>CENTRIFUGE</b> <b>Make: labotech</b> <b>Model: BDI- 152</b> <b>Sl.No : 20111589</b> <b>Range/Size :1-4000RPM/230v</b>	<b>Receiving Condition Of Duc</b> :Good <b>Ref. Document:</b> As Per Manufactures Specification <b>Environmental Condition:</b> 25.3 Deg & 54.3% Rh <b>Uncertainty Of Measurement:</b> As Per Report <b>Location:</b> lab

**1.DESRIPTION OF DUC**

THE MASTERS ARE TRACEABLE TO NATIONAL/INTERNATIONAL STANDARDS AS PER ISO/IEC17025.

**2.DETAILS OF MASTER USED**

StandardInstrumentUsed	Make/Model	Id No	TraceableTo/CertificateNo	Validity
DecadeMegohm	Vaisashika	Rml-230	Vaiseshika,AmbalaCantt/Ved/Nabl/18-19(Et)/92	1-6-2024
Digital Tachometer	Mextec	Rml-251	Gsg/19/206/Tm/01	1-6-2024
MultiProduct Calibrator	Fluke	Rml-262	Wavecal,Blr/Cs-18/01-01	1-6-2024
MultiProduct Calibrator (Ac/DcCurrentCoil)	Transmille	Rml-252-1	Wavecal,Blr/Cs-18/69-01	1-6-2024
Leakage CurrentTester	Htc/CI-2054	Rml-254-1	Rmtl/01/319107848	1-6-2024

Sl.no	Range	Master reading sv	Calibrated value sv	Error observe dv	Uncertainty v
1	0vto400v	230	231	1	0.055

**CALIBRATION FIELD: Electr oTechnical (Voltage Calibration-Ac)**

**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

**Resistancelibration**

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	UncertaintyRPM
1	1RPMto4000RPM	1600RPM	1599RPM	1RPM	0.055

**4.remarks**

- 4.1uncertainty estimatedforaconfidence levelof95% atthek factor=2
  - 4.2the reported results are valid only for the condition of the inst./gauge received at the time of and under theconditionofthecalibration
  - 4.3DUC–device undercalibration
- Calibrationlabel/status:Calibrationresultpass&failare indicated

 CALIBRATION ENGINEER	 CALIBRATION SEAL	 AUTHORIZED SIGN	This Report Refers Only To The Sample Submitted And May Not Be Reproduces In Full Or In Part, Without Written Permission From Roots Metrology & Testing Laboratory, Coimbatore, cell:9585840192
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