



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



**CALIBRATION CERTIFICATE**

ULR Number: CC275219000083790F

<b>Name and address of the customer</b> The Medical Officer Government Primary health centre Maramadaki –pudukkottai( dist)	<b>Certificate no</b> : Rmtl/01/319107848/6
	<b>Date of calibration</b> : 03/03/2023
	<b>Suggested calibration due</b> : 03/03/2024
	<b>Customer po .reference.&amp; date:</b>

**1.DESRIPTION OF DUC**

<b>Name Of The Duc:</b> SEMIAUTO ANALYSER <b>Make:</b> ROBONIK <b>Model</b> : PRETEST TOUCH <b>Sl.No</b> : ATcd1380321RBK <b>Range/Size</b> : 230v	<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
--	---

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

**2.DETAILED OF MASTER USED**

Standard Instrument Used	Make/ Model	Id No	Traceable To/Certificate No	Validity
Decade Megohm	Vaisashika	Rml-230	Vaiseshika,Ambala Cantt/Ved/Nabl/18-19(Et)/92	1-6-2023
Multi Product Calibrator	Fluke	Rml-262	Wavecal,Blr/Cs-18/01-01	1-6-2023
Multi Product Calibrator (Ac/Dc Current Coil)	Transmille	Rml-252-1	Wavecal,Blr/Cs-18/69-01	1-6-2023
Leakage Current Tester	Htc/Cl-2054	Rml-254-1	Rmtl/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

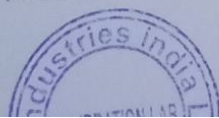
Sl.no	Range	Master readings mA	Calibrated values mA	Error observed mA	Uncertainty mA
1	40Ma-100A	2	2.002	-0.002	0.045

**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

**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



Refers Only To The Sample Submitted



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



**CALIBRATION CERTIFICATE**

ULR Number: CC275219000083790F

Name and address of the customer The Medical Officer Government Primary health centre Maramadaki –pudukkottai( dist)	Certificate no	: Rmtl/01/319107848/5
	Date of calibration	:03/03/2023
	Suggested calibration due	: 03/03/2024
	Customer po .reference.& date:	

**1.DESCRPTION OF DUC**

Name Of The Duc:	CENTRIFUGE	Receiving Condition Of Duc	:Good
Make	: labotech	Ref. Document	:As Per Manufactures Specification
Model	: bdi 152	Environmental Condition	:25.3 Deg & 54.3% Rh
Sl.No	:	Uncertainty Of Measurement	:As Per Report
Range/Size	: 1-4000RPM/230v	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/Nabl/18-19(Et)/92	1-6-2023
Digital Tachometer	Mextec	Rml-251	Gsg/19/206/Tm/01	1-6-2023
Multi Product Calibrator	Fluke	Rml-262	Wavecal,Blr/Cs-18/01-01	1-6-2023
Multi Product Calibrator (Ac/Dc Current Coil)	Transmille	Rml-252-1	Wavecal,Blr/Cs-18/69-01	1-6-2023
Leakage Current Tester	Htc/Cl-2054	Rml-254-1	Rmtl/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



This Report Refers Only To The Sample Submitted And May Not Be Reproduces In Full Or In Part, Without Written Permission From Roots Metrology