



Rishabh Testing and Calibration Laboratory

(NABL Accredited testing and calibration laboratory)
Plot No. C-6, MIDC, Satpur, Nashik-422007,
Ph. 0253-2202307/388/309
Web: lab.rishabh.co.in, mail:praveen.chaplot@rishabh.co.in



Certificate No.: RTCL/EMC/2425/PFMF/032

ULR No.:TC132032400000047F

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I : Electrical testing

1. EMI/EMC Test Facility

		TEST REPORT POWER FREQUENCY MAGNETIC FIELD TEST	
1. Certified to :	Organization Name :	Rishabh Instruments Ltd.	
	Address :	F-31, MIDC Satpur , Nashik 422 007, Maharashtra	
2. Details of Unit under test. (UUT)	Product Name :	Digital TRMS Multimeter	
	Manufacturer :	Rishabh Instruments Ltd.	
	CRF NO :	2024-25/05/013	Dated : 15.05. 2024
	Type / Model :	Rishabh 610	
	Detail Specifications :	Measuring Ranges	
		DC Voltage : 1000V	AC Voltage : 1000V
		Current AC/DC : 10A	Resistance : 60MΩ
	No. of item/Total item :	01	
	Sr. No./ID No.:	62307012082	
Condition of item :	Physically OK.		
Location of testing :	RTCL, Nashik.		
3. Test Certificate	Sample Received On :	15 May 2024.	
	Date of Issue :	18 May 2024.	
	Date of Testing :	15 May 2024.	
Tested By :	Checked By :	Approved By :	
 (Mohammad Hasan Sheikh)	 (Ravindra Shingote)	 (Praveen Chaplot)	

- Note :**
1. This certificate may not be reproduced either in full or part without prior written approval of RTCL.
 2. This report relates only particular sample received in good condition for testing at RTCL.
 3. only test asked for by the customer have been carried out.
 4. In case of any dispute , Nashik will be exclusive Jurisdiction & shall be constructed as where the cause has arise.
 5. RTCL is not Responsible for the authenticity of photocopied or reproduced test reports,RTCL provides support to customer For verification of the authenticity of the test reports issued by RTCL.



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4.0 : Test Procedures and Applicable Standard

4.1. IEC 61326-1 : Edition 3.0 2020

Electrical equipment for measurement, control and laboratory use- EMC requirements

Part 1 : General requirements

4.2. IEC 61000-4-8:2009 (Edition 2, 2009).

Testing and measurement techniques - Power Frequency Magnetic Field immunity test.

5.0 : Brief Description of Unit Under Test :

RISHABH 610 digital multimeter is suited for universal, general applications in the electrical and electronics fields, as well as in radio and television service, training and education.

It is of especially pocket size design, and thus fit into pocket.

6.0 : Performance Criteria

Performance criteria A: The equipment shall continue to operate as intended during and after the test. No degradation of performance or loss of function is allowed below a performance level specified by the manufacturer, when the equipment is used as intended.

The performance level may be replaced by a permissible loss of performance which shall recover, without user Intervention. A permissible loss of performance is allowed within the performance level only when this information is clearly provided to the end user via documentation, such as the product user manual. No change in the operating state is allowed nor is loss of data.

i.e. During and after the test, Measured Input values shall remain within +/- 0.5% of reading +3 Digits. for Applied input Resistance value $1k\Omega$ allowed limit +/-0.053k Ω . No malfunctioning of meter display as specified by the manufacturer.

Tested By :

M. Sheikh

(Mohmmad Hasan Sheikh)

Checked By:

Ravindra Shingote

(Ravindra Shingote)

RTCL-F-114 Rev 03



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7.0 : Test Detail :

Test Conditions	
Ambient Temperature : 24.2°C	Relative Humidity : 52%
Port Details: Enclosure .	
Connection : Resistance : 1 kΩ	
Description : Resistance value monitored throughout the test on EUT display .	
Tested as table top equipment.	

Test Instrumentation			
Magnetic Field Generator	Narda S.T.S /PMM	Model No.:	PMM 1008
Sr. No.	120WT70501		

Test Description	Requirement	Observation	Remark
Test specification as per IEC 61326-1 : 2020, Annex A & Test procedure as per IEC 61000-4-8 : Edition 2, 2009 as specified by the manufacturer. - For Continuous Field - Magnetic Field Intensity : 3 A/m, 50Hz - Field Orientation : X,Y, Z axis. - Time Duration: 5 min per Axis.	The equipment should meet the performance criteria A	Equipment complies with performance criteria A.	Conform

Tested By :	Checked By:
 (Mohmmad Hasan Sheikh)	 (Ravindra Shingote)



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8.0 : Test Observations :

Required Performance Criteria : A

Test result : Conform

9.0 : EUT Photograph :

Front View



Back View



Tested By :

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(Mohmmad Hasan Sheikh)

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10.0 : Setup Photograph :



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Checked By:

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