

TEST REPORT

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Test Report No.	STC/Test/N20231219001	Date of Issue: 25/12/2023
Name & Address of Customer:	Rajshree Electronics & Automation India Pvt Ltd #22,1st Floor, 2nd Cross, SGN Layout , Lalbagh Road, Bangalore-560027, BHARAT	
Name & Address of Manufacturer (If required):	Rajshree Electronics & Automation India Pvt Ltd #22,1st Floor, 2nd Cross, SGN Layout , Lalbagh Road, Bangalore-560027, BHARAT	
Customer Ref. & Date:	Nil	W.O. No.: N20231219001
Date of Sample Receipt: 19/12/2023	Start of Test Date: 19/12/2023	End of Test Date: 23/12/2023

PART A - PARTICULARS OF THE SAMPLE SUBMITTED

Sample description	Digital Oscilloscope Multimeter
Grade/ variety/ type/ class/ size etc.	AC Range: 9.999mV to 750V
Declared values, if any	DC Range: 9.999mV to 999V
Code no., BIS seal and IO's sign. if any	--
Batch no., date of manufacture and Brand Name	--
Model	Model: ZT-702S
Quantity	1 Nos.
Condition of the sample	Good
Reference specification (s)	As Per Customer specification
Environmental conditions	Temperature (25±10)°C & Relative Humidity(45-75)%

PART-B: SUPPLEMENTARY INFORMATION

1. If an Item is tested, acknowledging deviations from specified conditions as requested by customers, the results may be affected due to this deviation.
2. Details of the drawings, graphs, tables, sketches or photographs as referred in the test report, if any:

Notes:

1. This report is not to be reproduced except in full/partial without approval of the laboratory in writing.
2. This report refers only to the particular sample detailed above.
3. The results reported in this Test report are valid at the time of and under the stipulated conditions of measurement.

Tested by	Approved & Reviewed by
	
Satendra Kashyap (Testing Engineer)	Shivani Bhardwaj (CSE)

Format No. - STCLAB/F/EL/06

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PART C- TEST RESULT:

Visual inspection Test:

Sr. No	Parameter Name	Test data	Observed value	Verdict
1.	DC voltage	20mVdc	19.8mVdc	Pass
		10.0Vdc	9.98Vdc	
		120.0Vdc	119.96Vdc	
		230.0Vdc	229.99Vdc	
		575.0Vdc	574.98Vdc	
		999.0Vdc	998.97Vdc	
2.	AC Voltage	25.0mVac	24.99 mVac	Pass
		100.0Vac	99.99Vac	
		340.0Vac	339.94Vac	
		460.0Vac	459.94Vac	
		750.0Vac	749.93 Vac	
3.	DC Current	10mA	9.995mA	Pass
		1.0A	999.4mA	
		5.0A	4.96A	
		10A	8.97A	
4.	AC Current	10mA	9.994mA	Pass
		1.0A	999.7mA	
		5.0A	5.021	
		10.0A	9.998A	
5.	Resistance	120Ω	119.51Ω	Pass
		12MΩ	11.95MΩ	
		90.0MΩ	89.95MΩ	
6.	Capacitance	15nF	14.92nF	Pass
		990μF	989 μF	
		95mF	94.84mF	
8.	Frequency (Measures only to 100kHz under the ACV setting)	115Hz	115.2Hz	Pass
		997 Hz	997.4 Hz	
		98kHz	98.03 kHz	
		996 kHz	996.21kHz	



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Oscilloscope Specifications:			
9.	Bandwidth	10MHZ	Satisfactory
10.	Sampling method	real-time sampling	Satisfactory
11.	real-time sample rate	48MSa/s	Satisfactory
12.	Channels	1 Channels	Satisfactory
13.	input coupling	AC/DC input coupling	Satisfactory
14.	input resistance	1M Ω ,@16pf	Satisfactory
15.	Probe attenuation	X1, X10	Satisfactory
16.	Max input voltage	150V (DC+ACpeak)	Satisfactory
17.	Sample rate range	1.5Sa/s -48MSa/s	Satisfactory
18.	Sweep speed range (Horizontal)	50ns/div -20s/div	Satisfactory
19.	Time Base Accuracy	20ppm	Satisfactory
20.	Sensitivity (Vertical)	20mV/div -10V/div	Satisfactory
21.	Analog Bandwidth (Vertical)	10MHZ	Satisfactory
22.	Rise Time	<10ns	Satisfactory
23.	low frequency response	>10HZ	Satisfactory
24.	Measurement	automatic measurement can measure Period, frequency, peak-to-peak value, maximum value, minimum value, effective value	Satisfactory
25.	Trigger method	auto, normal, single	Satisfactory
26.	Trigger edge	rising edge, falling edge	Satisfactory



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Feature provided with Oscilloscope Multimeter

27.	Auto Ranging	Complies	Pass
28.	Display (LCD)	9999 Counts	Satisfactory
29.	Ranging	Auto/Manual	Pass
30.	Data hold	Data to hold facility applicable	Pass
31.	Backlight /flashlight	Complies	Pass
32.	Auto power off	Auto power off facility applicable	Pass
33.	Low Battery Indication	Complies	Pass
34.	Smart mode	Smart mode facility available	Pass
35.	True rms	Complies	Pass
36.	Power supply	1 x 18650 Lithium Battery/ As well through C-Type charger	Pass
37.	Dimension	177*89*40mm	Pass
38.	Weight	345g (NO BATTERY)	Pass
39.	Material	ABS+TPE	Satisfactory
40.	Measuring continuity	Complies	Pass
41.	Measuring resistance	Complies	Pass
42.	Batteries	Batteries can be replaced	Pass
43.	Manual	Provided	Pass
44.	Operating Temperature	0~40°C	Satisfactory
45.	Operating Humidity	< 75%	Satisfactory

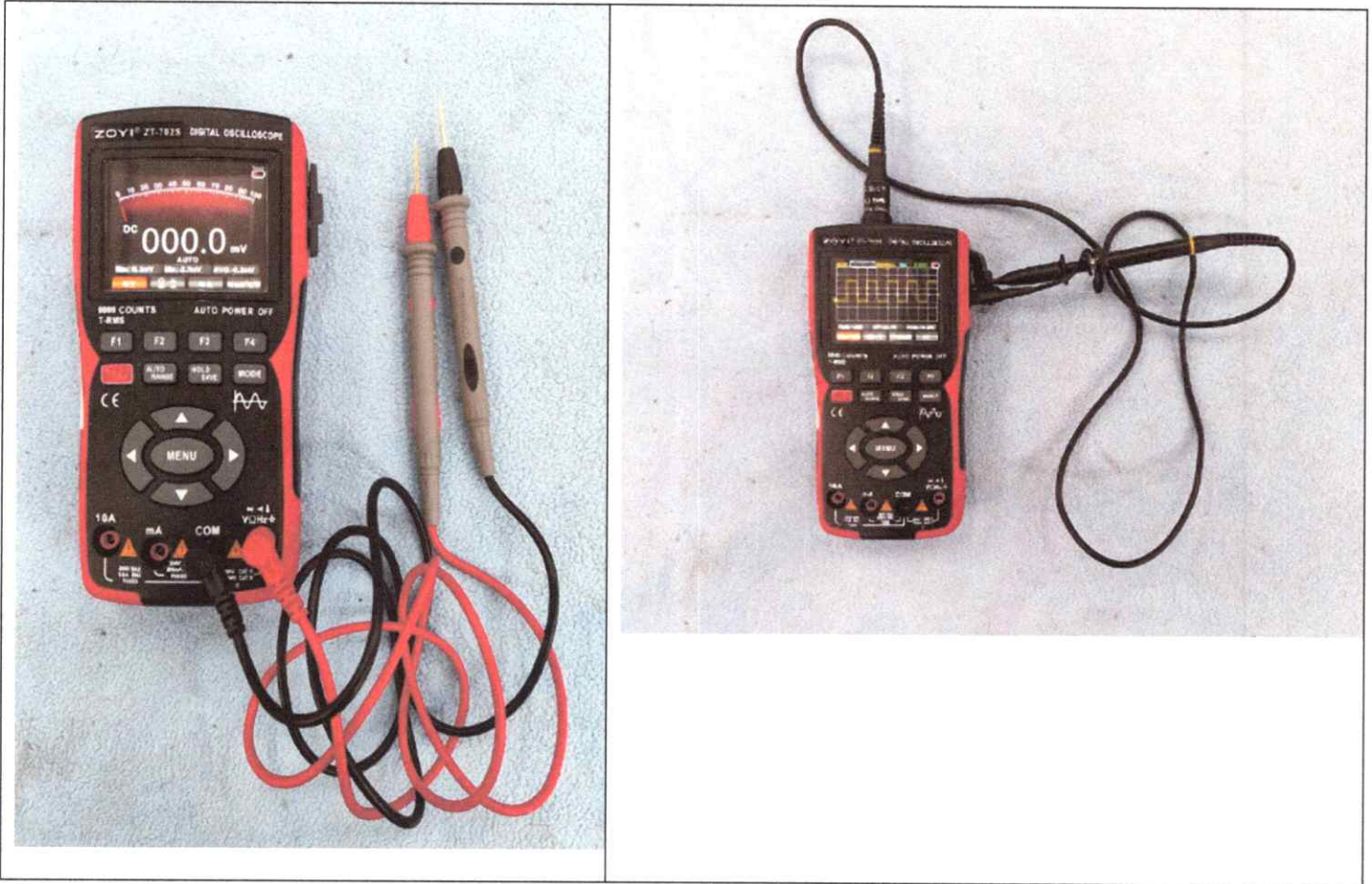


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Photograph of Sample:



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PART D: - Nil

REMARKS: Pass

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Satendra Kashyap (Testing Engineer)	Shivani Bhardwaj (CSE)

***** END OF TEST REPORT *****