

TEST REPORT

Applicant Name & Address : Uni-Trend Technology(China) Ltd
No. 6, Gong Ye Bei 1st Road, Songshan Lake National High-Tech Industrial
Development Zone, Dongguan, Guangdong Province, CHINA

Manufacturing Site : The same as applicant

Sample Description
Product : Digital Clamp Multimeter
Model No. : UT207A, UT208A, UT209A, UT207, UT208, UT209
Electrical Rating : DC 9V

Date Received : 03 August 2015
Date Test Conducted : 03 August 2015-04 August 2015

Test standards : EN 61326-1: 2013
EN 61326-2-2:2013

Test Result : Pass

Conclusion : The submitted samples complied with the above EMC standards.

Remark : TRF No.: EN61326-1 2013-a
Effective date: 19 April 2015

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Prepared and Checked By:

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04 August 2015 *Date*

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TEST RESULTS SUMMARY

Test Item	Standard	Result
Power Frequency Magnetic Field Immunity	EN 61326-1: 2013, EN 61326-2-2 Reference: EN 61000-4-8:2010	Pass

Remark: 1. The symbol “N/A” in above table means Not Applicable.

2. When determining the test results, measurement uncertainty of tests has been considered.

2

EMC Results Conclusion
(with Justification)

RE: EMC Testing Pursuant to EMC Directive 2004/108/EC Performed On the Digital Clamp Multimeter, Models: UT207A, UT208A, UT209A, UT207, UT208, UT209.

We tested the Digital Clamp Multimeter, Models: UT207A, UT208A, UT209A, to determine if they were in compliance with the relevant EN standards as marked on the Test Results Summary. We found that the unit met the requirement of EN 61326-1: 2013 and EN 61326-2-2: 2013 standards when tested as received. The worst case's test data was presented in this test report.

Remark: this report is based on the previous version 130830066GZU-001 dated 08 Oct., 2013 and will be used with it together. This report is issued because the standard EN 61326-1 is updated from EN 61326-1:2006 to EN 61326-1:2013, EN61326-2-2 is updated from EN 61326-2-2:2006 to EN 61326-2-2:2013. The applicant name has been updated from "Uni-Trend Group Limited" to "Uni-Trend Technology (China) Limited"; the address has been updated to "No 6, Gong Ye Bei 1st Road, Songshan Lake National High-Tech Industrial Development Zone, Dongguan City, Guangdong Province, China".

Three models UT207, UT208, UT209 are added into this report.

Model UT207 is identical with UT207A except model number.
Model UT208 is identical with UT208A except model number.
Model UT209 is identical with UT209A except model number.
So select UT207A, UT208A, UT209A to perform full test.

The production units are required to conform to the initial sample as received when the units are placed on the market.

3 LABORATORY MEASUREMENTS

Configuration Information

Equipment Under Test (EUT):	Digital Clamp Multimeter
Model:	UT207A, UT208A, UT209A
Serial No.:	Not Labeled
Support Equipment:	N/A
Rated Voltage:	DC 9V
Condition of Environment:	Temperature : 22~28°C Relative Humidity: 35~60% Atmosphere Pressure 86~106kPa

Notes:

1. The EMI measurements had been made in the operating mode producing the largest emission in the frequency band being investigated consistent with normal applications. An attempt had be made to maximize the emission by varying the configuration of the EUT.
2. The EMS measurements had been made in the frequency bands being investigated, with the EUT in the most susceptible operating mode consistent with normal applications. The configuration of the test sample had been varied to achieve maximum susceptibility.

4 EMI TEST

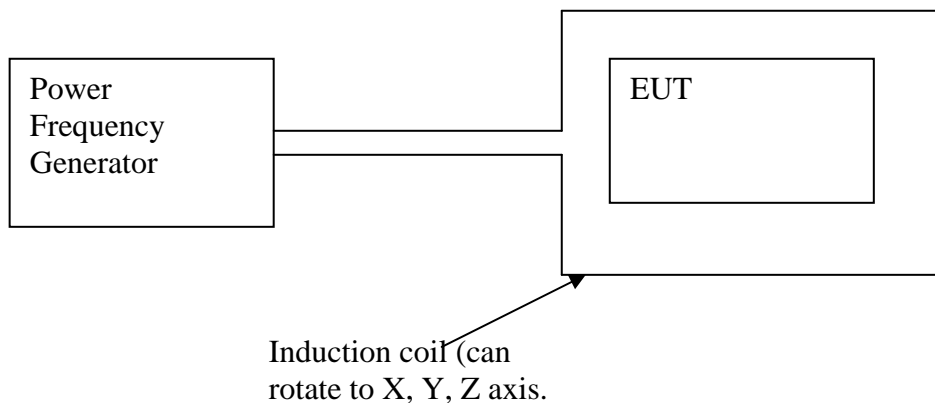
4.1 EN 61000-4-8(Pursuant to EN 61326-1) Power Frequency Magnetic Field Immunity

Tested Port: Enclosure
Performance criterion: A
Test Result: Pass

4.1.1 Used Test Equipment

Equipment No.	Equipment	Model	Manufacturer
EM001-03	3-Phase Harmonic & Flicker System	Proflin2145-400	TESEQ
EM001-03-02	Inductive Coils	INA 702	TESEQ

4.1.2 Block Diagram of Test Setup



4.1.3 Test Setup and Procedure

Put EUT into center of induction coil(with suitable dimensions) in the testing.

For tabletop equipment:

The EUT was placed on a big enough wooden desk with height of 0.8m and operating as intended.

The equipment shall be subjected to the test magnetic field by using the induction coil of standards(1m*1m).

The induction coil shall be rotated by 90° in order to expose the EUT to the test field with different orientations.

For Floor-standing equipment:

The EUT was placed on big enough wooden desk with height of 0.1m and operating as intended.

The equipment shall be subjected to the test magnetic field by using induction coils of suitable dimensions; the test shall be repeated by moving and shifting the induction coils, in order to test the whole volume of the EUT for each orthogonal direction. The test shall be repeated with the coil shifted to different position along the side of the EUT, in steps corresponding to 50% of the shortest side of the coil.

The induction coil shall then be rotated by 90° in order to expose the EUT to the test field with different orientations and the same procedure followed.

4.1.4 Test Result

Mains frequency: 50Hz

60Hz

Orientations of induction coil	Magnetic Field Strength (A/m)	Result
X	3A/m	Pass
Y	3A/m	Pass
Z	3A/m	Pass

5 Appendix I - Photos of test setup

Power Frequency Magnetic Field Immunity

