

ELECTROMAGNETIC COMPATIBILITY TEST CERTIFICATE

for the Fluke 83V, 87V and 88V Digital Multimeter



The Fluke 83V, 87V, and 88V was tested to the following standard
at the EMC laboratories of Fluke Corporation.

EN 61326-1 :2006 Class B Emissions and Immunity

The Fluke 83V, 87V and 88V pass test requirements for equipment used for:

<input type="checkbox"/> Industrial Locations	<input type="checkbox"/> Controlled EM Environments	<input checked="" type="checkbox"/> Portable Equipment
<input type="checkbox"/> Non-Domestic Use (Class A)		<input checked="" type="checkbox"/> Domestic Use (Class B)

Class B equipment is equipment suitable for use in domestic establishments and in establishments directly connected to a low voltage power supply network which supplies buildings used for domestic purposes.

Prepared by:

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Date: Nov 3, 2008

Approved by:

- Product Evaluation Manager
- Division Engineering Manager

I. Test Results

The Fluke 87-V Digital Multimeter was tested to the following Electromagnetic Compatibility [EMC] requirements:

Adapted from CISPR 11 Table 2b
Emissions Limits for Class B Equipment

Port	Frequency MHz	Limits	Standard	Pass/Fail	
Enclosure	30 to 230	30dB (uV/m) quasi peak, measured at 10 meters.	CISPR 11	Pass ¹	
	230 to 1000	37dB (uV/m) quasi peak, measured at 10 meters.		Pass ¹	
AC mains	0 to 0.002	As specified in 61000-3-2 and 61000-3-3.	61000-3-2	N/A	
			61000-3-3	N/A	
	0.15 to 0.5	66dB (uV/m) to 56dB (uV/m) quasi peak, 56dB (uV/m) to 46dB (uV/m) average. Limits decrease linearly with log. of frequency.	CISPR 11	N/A	
				0.5 to 5.0	N/A
				5 to 30	N/A
	60dB (uV/m) quasi peak, 50dB (uV/m) average.				

1. Initial Report: 87V_EMCTestReport.doc

Portable test & measurement equipment that is not capable of operating while being charged is tested to the following immunity requirements:

Adapted from IEC 61326-1:2005 Table A.1
Immunity test requirements for portable test and measurement equipment

Port	Phenomenon	Basic standard	Test value	Criteria	Pass/Fail
Enclosure	ESD	IEC 61000-4-2	4 kV/8 kV contact/air	B	Pass ²
	EM Field	IEC 61000-4-3	3 V/m (80 MHz to 1 GHz)	A ¹	Pass ²
	EM Field	IEC 61000-4-3	3 V/m (1,4 GHz to 2 GHz)	A ¹	Pass
	EM Field	IEC 61000-4-3	1 V/m (2,0 GHz to 2,7 GHz)	A ¹	Pass

1. See performance criteria definitions on following page.
 2. Initial Report: 87V_EMCTestReport.doc