

ELECTROMAGNETIC COMPATIBILITY TEST CERTIFICATE

for the Fluke 27II, 28II Multimeters



The Fluke 27II, 28II was tested to the following standards at the EMC laboratories of Fluke Corporation.

**EN 61326-1 :2006, EN61326-2-2:2006, CISPR 11: 2004
Class B Emissions and Immunity**

The Fluke 27II, 28II passes 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.

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Date: Aug, 11, 2009

I. Test Results

The Fluke 27II, 28II Multimeters 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
	230 to 1000	37dB (uV/m) quasi peak, measured at 10 meters.		Pass
AC mains	0 to 0.002	As specified in EN 61000-3-2 and EN 61000-3-3.	EN 61000-3-2	N/A
			EN 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	56dB (uV/m) quasi peak, 46dB (uV/m) average.		N/A
	5 to 30	60dB (uV/m) quasi peak, 50dB (uV/m) average.		N/A

Adapted from EN 61326-1:2006 Table A.1
Immunity test requirements for portable test and measurement equipment

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

1. See performance criteria definitions on following page.