

ELECTROMAGNETIC COMPATIBILITY TEST CERTIFICATE

for the
**Fluke 175, 177, 179 and 77 IV
True RMS Multimeter**



The Fluke 175, 177, 179 and 77 IV were tested to the following standard
at the EMC laboratories of Fluke Corporation.

**EN 61326-1 :2006
Class A Emissions and Immunity**

The Fluke 175, 177, 179 and 77 IV 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 checked="" type="checkbox"/> Non-Domestic Use (Class A)		<input type="checkbox"/> Domestic Use (Class B)

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

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Date: 16 Oct 2008

Approved by:

- Product Evaluation Manager
- Division Engineering Manager

I. Test Results

The Fluke 175, 177, 179, and 77 IV True RMS Multimeter was tested to the following Electromagnetic Compatibility [EMC] requirements:

Adapted from CISPR 11 Table 2a
Emissions Limits for Class A Equipment

Port	Frequency MHz	Limits	Standard	Pass/Fail
Enclosure	30 to 230	40dB (uV/m) quasi peak, measured at 10 meters.	CISPR 11	Pass
	230 to 1000	47dB (uV/m) quasi peak, measured at 10 meters.		Pass
AC mains	0.15 to 0.5	79dB (uV/m) quasi peak, 66dB (uV/m) average.		see below**
	0.5 to 5.0	73dB (uV/m) quasi peak, 60dB (uV/m) average.		see below**
	5 to 30	73dB (uV/m) quasi peak, 60dB (uV/m) average.		see below**

**Primary Report: Fluke 179 EMC Test Report 3 Nov 2000

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 6100-4-2	4 kV/8 kV contact/air	B	Pass
	EM Field	IEC 6100-4-3	3 V/m (80 MHz to 1 GHz)	A ¹	see below**
	EM Field	IEC 6100-4-3	3 V/m (1,4 GHz to 2 GHz)	A ¹	Pass
	EM Field	IEC 6100-4-3	1 V/m (2,0 GHz to 2,7 GHz)	A ¹	Pass

1. See performance criteria definitions on following page.

**Primary Report: Fluke 179 EMC Test Report 3 Nov 2000