Manual Supplement

Manual Title:	2638A Users	Supplement Issue:	**1**
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This supplement contains information necessary to ensure the accuracy of the above manual. This manual is distributed as an electronic manual on the following CD-ROM:

CD Title:	2638A
CD Rev. & Date:	9/2013
CD PN:	4107865

FLUKE®
Calibration

Change #1, 66727, 66812, 66914

On page 1-13, replace **Input Protection** and add:

Safety Protection

Mains Input	IEC 61010-1, Overvoltage Category II, Pollution Degree 2
Front Panel	300 V CAT II
Rear Panel	150 V CAT II, 250 V rms with maximum transient voltage of 1000 V peak. These terminals are not intended for connection to mains voltage above 150 V without external transient suppression. The maximum input that can be applied between rear-module terminals or between any rear-module terminal and earth ground is 250 V dc or ac rms.
Electromagnetic Environment	IEC 61326-1: Basic (Controlled EM for full specification)
Radio Frequency Emissions	IEC CISPR 11: Group 1, Class A. (Group 1 has intentionally generated and/or uses conductively coupled radio-frequency energy which is necessary for the internal functioning of the equipment itself. Class A equipment is suitable for use in non-domestic locations and/or directly connected to a low-voltage power supply network.)

On page 1-15, add the following Notes to *DC Voltage Accuracy*:

Notes:

- For conducted disturbances on mains input >1 V from 10 MHz to 20 MHz, add 0.02 % of range. For disturbances >3 V, accuracy is unspecified.
- For radiated disturbances >1V/m from 450 MHz to 550 MHz, add 0.02 % of range. For disturbances > 3 V/m, accuracy is unspecified.

On page 1-16, add the following Note to *AC Voltage Accuracy*:

Note:
For conducted disturbances on mains input >1 V from 10 MHz to 40 MHz, add 0.02 % of range. For disturbances >3 V, accuracy is unspecified.

On page 1-19, add the following Note to *Resistance Accuracy*:

Note:
For conducted disturbances on mains input >1 V from 10 MHz to 40 MHz, add 0.6 % of range. For disturbances >3 V, accuracy is unspecified.

On page 1-20, add the following Note to *RTD Temperature Accuracy*:

Note:
For conducted disturbances on mains input >1 V from 10 MHz to 40 MHz, add 0.2 Celsius. For disturbances >3 V, accuracy is unspecified.

On page 1-21, add the following Note to *Thermistor Temperature Accuracy*:

Note:
For conducted disturbances on mains input >1 V from 10 MHz to 40 MHz, add 0.2 Celsius. For disturbances >3 V, accuracy is unspecified.

On page 2-3 Table 2-1, replace the 220 V and the 240 V entries with:

220 V	160 mA, 250 V (slow blow)	4394437
240 V	160 mA, 250 V (slow blow)	4394437

On page 4-8, replace the first sentence in the second bullet with:

- The **External** trigger type set the scan to start when a set TRIG input on the Digital I/O port detects a low condition

On page 6-3 Table 6-1, replace the 220 V and the 240 V entries with:

220 V	160 mA, 250 V (slow blow)	4394437
240 V	160 mA, 250 V (slow blow)	4394437

On page 6-5, change:

From:

166488 ⚠	Fuse 0.125A, 250V (slow blow) [2]	1

To:

4394437 ⚠	Fuse 0.160 mA, 250V (slow blow) [2]	1