

# Manual Supplement

Manual Title: ESA612 Users  
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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: ESA612  
CD Rev. & Date: 2/2009  
CD PN: 3334509

## Change #1, 50358, 55359, 60487

On page 63, under **Leakage Current**,

Replace: Accuracy

DC to 1 kHz.....	±(1 % of reading + (1µA or 1 LSD, whichever is greater))
1 to 100 kHz .....	±(2 % of reading + (1 µA or 1 LSD, whichever is greater))
100 kHz to 1 MHz.....	±(5 % of reading + (1 µA or 1 LSD, whichever is greater))

With: Accuracy

DC to 1 kHz.....	±(1 % of reading + (1µA or 1 LSD, whichever is greater))
1 to 100 kHz .....	±(2 % of reading + (1 µA or 1 LSD, whichever is greater))
1 to 5 kHz (current > 1.6 mA).....	±(4 % of reading + (1 µA or 1 LSD, whichever is greater))
100 kHz to 1 MHz.....	±(5 % of reading + (1 µA or 1 LSD, whichever is greater))

### Note

*Accuracy for Isolation, MAP, Direct AP, Alternative AP, and Alternative Equipment leakage tests all ranges are:*

- *At 120 VAC + (2.5 µA or 1 LSD, whichever is greater)*
- *At 230 VAC additional ± 3.0 % and + (2.5 µA or 1 LSD, whichever is greater)*

*For Alternative and Direct AP leakage tests, the leakage values are compensated for nominal mains as per 62353. Therefore, the accuracy specified for other leakages is not applicable.*

Under **Insulation resistance**,

Change: Source test voltage .....500 V dc (+20 %, -0 %) 1.5 ±0.25 mA short-circuit current or 250 V dc selectable

To: Source test voltage .....500 V dc (+20 %, -0 %) 2.0 ±0.25 mA short-circuit current or 250 V dc selectable

## Change #2, 50476, 55359

On page 63, replace the *Mains on applied part test voltage* specification with the following:

Mains on applied part test voltage ...100 %  $\pm 7$  % of Mains for AAMI, current limited to 1 mA  $\pm 25$  % per AAMI  
100 %  $\pm 7$  % of Mains for IEC 62353 current limited to 3.5 mA  $\pm 25$  % per IEC 62353  
100 %  $\pm 7$  % of Mains for IEC 60601-01 current limited to 7.5 mA  $\pm 25$  % per IEC 60601-01

## Change #3, 50530

On page 63, under **Differential leakage**,

Change: Ranges.....10 to 199  $\mu$ A  
To: Ranges.....75 to 199  $\mu$ A



## Change #4,

At the front of the manual, under ***Warranty and Product Support***, replace the first paragraph with the following:

Fluke Biomedical warrants this instrument against defects in materials and workmanship for one year from the date of original purchase OR two years if at the end of your first year you send the instrument to a Fluke Biomedical service center for calibration. You will be charged our customary fee for such calibration. During the warranty period, we will repair or at our option replace, at no charge, a product that proves to be defective, provided you return the product, shipping prepaid, to Fluke Biomedical. This warranty covers the original purchaser only and is not transferable. The warranty does not apply if the product has been damaged by accident or misuse or has been serviced or modified by anyone other than an authorized Fluke Biomedical service facility. NO OTHER WARRANTIES, SUCH AS FITNESS FOR A PARTICULAR PURPOSE, ARE EXPRESSED OR IMPLIED. FLUKE SHALL NOT BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LOSSES, INCLUDING LOSS OF DATA, ARISING FROM ANY CAUSE OR THEORY.

## Change #5

On page 11, under *Setting Polarity Switching Delay* replace step 4 with the following:

4. Press  or  to adjust the delay from 1 to 5 seconds in 1 second steps.

## Change #6

On page 55, under *Controlling the Analyzer Remotely* add the following to the end of the section:

Fluke Biomedical recommends downloading the latest Ansur software and plug-in module from [www.flukebiomedical.com](http://www.flukebiomedical.com) to ensure compatibility.