

# Manual Supplement

Manual Title: ESA614 Users  
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This supplement contains information necessary to ensure the accuracy of the above manual.

## Change #1, 652, 663, 667

On page 5, under **Unpack the Product**, remove:

- Ansur Demo CD

On page 19, replace **Setting Polarity Switching Delay** section, with:

### **Setting Polarity Switching Delay**

When switching the polarity of the Analyzer's test receptacle, a delay can be set to control the actual switch time. Use the Polarity Switching Delay to protect the internal components of the Analyzer from transient effects. Transient effects can occur when the DUT has a highly capacitive or inductive power supply. These types of power supplies are in larger DUTs, for example, ultrasound, dialysis, and portable X-ray machines. If you think the DUT has a highly capacitive or inductive power supply, increase the Polarity Switching Delay from 1 second (default) to at least 5 seconds. This increase allows the DUT to self-discharge safely.

To set the polarity delay:

1. From the Setup menu, push  or  until the **Polarity Delay** variable is highlighted.
2. Push .
3. Push  or  to highlight one of the preset delay values.
4. Push .

On page 51, add the following section:

### ***Download Test Data***

Use Ansur software to download test data. If not already installed, follow these steps to load Ansur and the ESA615 Plug-in. Use Excel on a PC to print or open the downloaded data.

1. Go to [www.Flukebiomedical.com](http://www.Flukebiomedical.com) website then **SUPPORT | Software downloads | Ansur Software Plugins**.
2. Download Ansur Executive Software v3.1.4 or above.
3. Download Ansur ESA615 Plug-in v1.1.2 or above.
4. Run the Ansur Executive .exe to install Ansur.
5. Run the Ansur ESA615 plug-in .exe to install the plug-in.
6. Run the ESA615 Mini plug-in.
7. Insert 614 SD card into PC.
8. Click ... next to the Print button on Plug-in window.
9. Select **SD Card | TEST\_RESULTS** then test data file.
10. Select **Convert .dta to .csv format** from drop down menu, if not already selected.
11. Click **Convert** button.
12. Click **Print** button to print data.

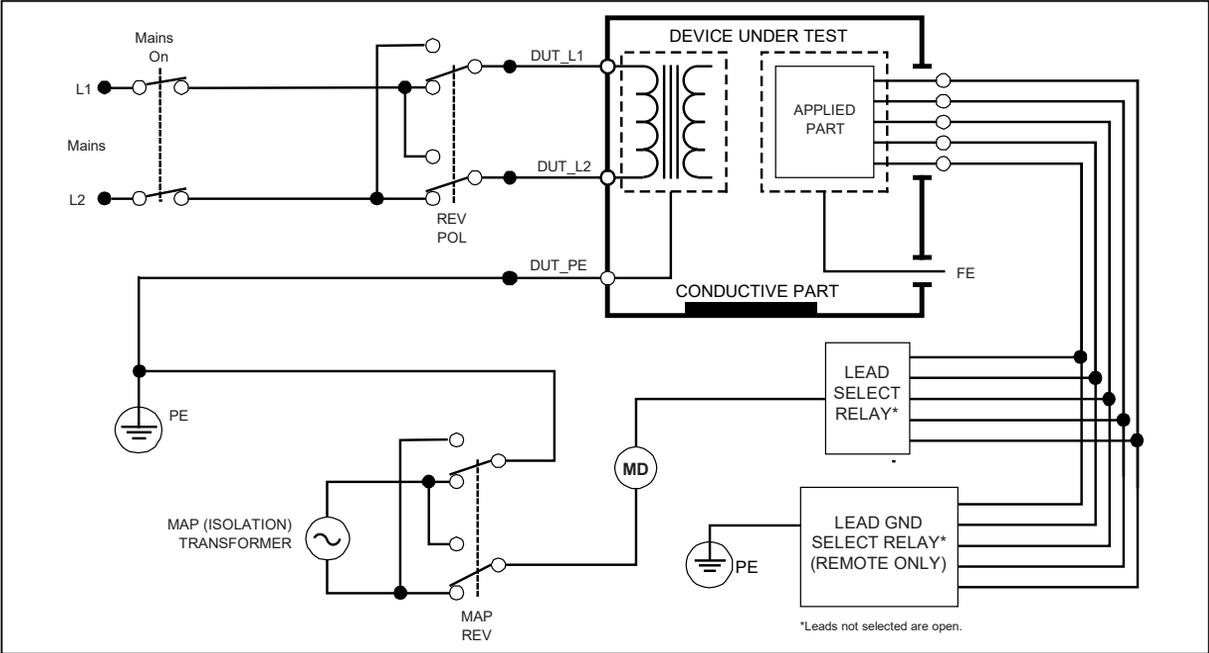
On page 63, under **Replaceable Parts**, replace **Table 9**, with:

**Table 9. Replaceable Parts**

Item			Fluke Biomedical Part Number
ESA614 Getting Started Manual			5006602
15 A Power Cord			2238644
Null Post Adapter			3326842
5-to-5 Banana jack to ECG (BJ2ECG) adapter			3359538
Carrying Case			2248650
Data Transfer Cable			4034393
Fuse	USA-115	 T20A 250V Fuse (Time Lag), 1¼ in x ¼ in	2183691
ESA USA Accessory Kit: Test Lead Set TP1 Test Probe Set AC285 Alligator Clip Set			3111008
 To ensure safety, use exact replacement only.			

**Change #2, 687**

On page 43, replace Figure 19 with:



**Figure 19. Lead Isolation Leakage Test Schematic**

## Change #3, 711

Replace pages 21 and 22 with:

### *Set up the Printer*

Set the printer type and configure print settings.

### *Set the Printer Type*

You must select the correct type of printer for the output to be correct.

- Full size letter/A4 printers must be compatible with PCL5 or a derivative version (e.g. PCL5e). PCL6 may work, but backwards compatibility is not guaranteed.
- Label printers must be compatible with Zebra ZPL II and support at least 76.2 mm x 50.8 mm (3 in x 2 in) or (2 in x 3 in) label size.
- Receipt printers must be compatible with Zebra ZPL II and support at least 76.2 mm (3 in) wide receipt paper.

To set the printer type:

1. From the Setup menu, push the **Printer Settings** softkey.
2. Push  or  until **Printer** is highlighted.
3. Push .
4. Push  or  to highlight **Letter/A4 (PCL5)** or **Label (ZPL II)** or **Receipt (ZPL II)**.
5. Push .

### *Set the Print Header*

Use the print header to print a company name or other standard information at the top of each printout. Print headers on label printers are limited to 38 characters. Enter a print header.

1. From the Setup menu, push the **Printer Settings** softkey.
2. Push  or  until **Print Header Line 1** or **Print Header Line 2** is highlighted.

3. From the keyboard screen, for each character in the header:
  - a. Push   or  to move the highlight to a character.
  - b. Push 
4. Push the **Done** softkey.

### *Set the Print Rotation*

For label printing only, set the print rotation:

1. From the Setup menu, push the **Printer Settings** softkey.
2. Push  or  until **Print Rotated** is highlighted.
3. Push 
4. Push  or  to highlight **Yes** or **No**.  
**Yes** – The print is rotated. Requires a 2 in x 3 in label.  
**No** – The print is not rotated. Requires a 3 in x 2 in label.
5. Push 

#### *Note*

*Printouts can be cut off if the wrong type of label is used.*

### *Set the Test Interval*

Set the test interval for label printers.

1. From the Setup menu, push the **Printer Settings** softkey.
2. Push  or  until **Test Interval** is highlighted.
3. Push 
4. Push  or  to highlight the test interval.
5. Push 

### **Reset a Label Printer**

Use Reset Printer to reset changes from other uses and recalibrates the printer to make sure the print is aligned to the selected media.

1. From the Setup menu, push the **Printer Settings** softkey.
2. Push the **Reset Printer** softkey. Wait until the media finishes feeding from the label printer.

*Note*

*Some printers require multiple resets to correctly detect when media is changed.*

### **Print Test Results**

With a PCL5 compatible printer connected to the USB A Controller Port, you can print a test results record on a letter or A4 sheet of paper. With a ZPL II-compatible label printer connected to the USB A Controller Port, you can print a 76.2 mm x 50.8 mm (3 in x 2 in) label summarizing the test result or a 76.2 mm (3 in) wide receipt detailing the entire test.

*Note*

*A compatible printer must be connected to the Product before the **Print** softkey appears in the view screen of a test results record.*

1. Do the steps in Show Test Results through Step 3 to show the test and its results on the display.
2. Push the **Print** softkey.

The data in the test results record that show on the display is transmitted through the printer port.

*Note*

*The Print softkey says **Print Label** or **Print Receipt** when a ZPL II printer is selected. Confirm the correct media is loaded in the printer before you push **Print**.*

## Change #4, 762

On page 28, under, ***Performing an Insulation Resistance Test*** add:

*Note*

*A reading of **OR** is used to indicate “Over Range”, a resistance reading which exceeds the maximum resistance value measurable on the Analyzer.*