

# Manual Supplement

Manual Title:	9640A/9640A-LPNX Instruction Manual	Supplement Issue:	<b>2</b>
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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:	9640A/9640A-LPNX
CD Rev. & Date:	8/2010
CD PN:	3840280











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**Calibration**

## Change #1, 66663

On page 1-3, under **General Safety Summary**, delete the first paragraph.

On page 1-6, replace the **Symbols** table with:

Symbol	Description
	Risk of danger. Important information. See manual.
	Hazardous voltage. Voltage >30 V dc or ac peak might be present.
	AC (Alternating Current).
	Refer to manual
	Power ON / OFF
	Functional Earth ground.
	This product complies with the WEEE Directive (2002/96/EC) marking requirements. The affixed label indicates that you must not discard this electrical/electronic product in domestic household waste. Product Category: With reference to the equipment types in the WEEE Directive Annex I, this product is classed as category 9 "Monitoring and Control Instrumentation" product. Do not dispose of this product as unsorted municipal waste. Go to Fluke's website for recycling information.
	Recycle.
	Product conforms with the requirements of the applicable EC directives.
	Intertek ETL listed mark for CSA C22.2, 61010-1, and UL 61010-1.

On page 1-9, under General Specifications replace the Safety and EMC with:

**Safety**..... IEC 61010-1: Overvoltage CAT II, Pollution Degree 2

**Electromagnetic Environment**..... IEC 61326-1: Controlled environments, FCC Rules Part 15, subpart b.

On page 2-7, Table 2-4, remove reference to IEC 127 and change the Fuse Ratings, to T10.0AH 250 V and T5.0AH 250V respectively.

On page 2-7, Table 2-5, change the Line Voltage Limits to:

100V AC to 120V AC  
200V AC to 240V AC

On page 2-8, replace Figure 2-1 with:

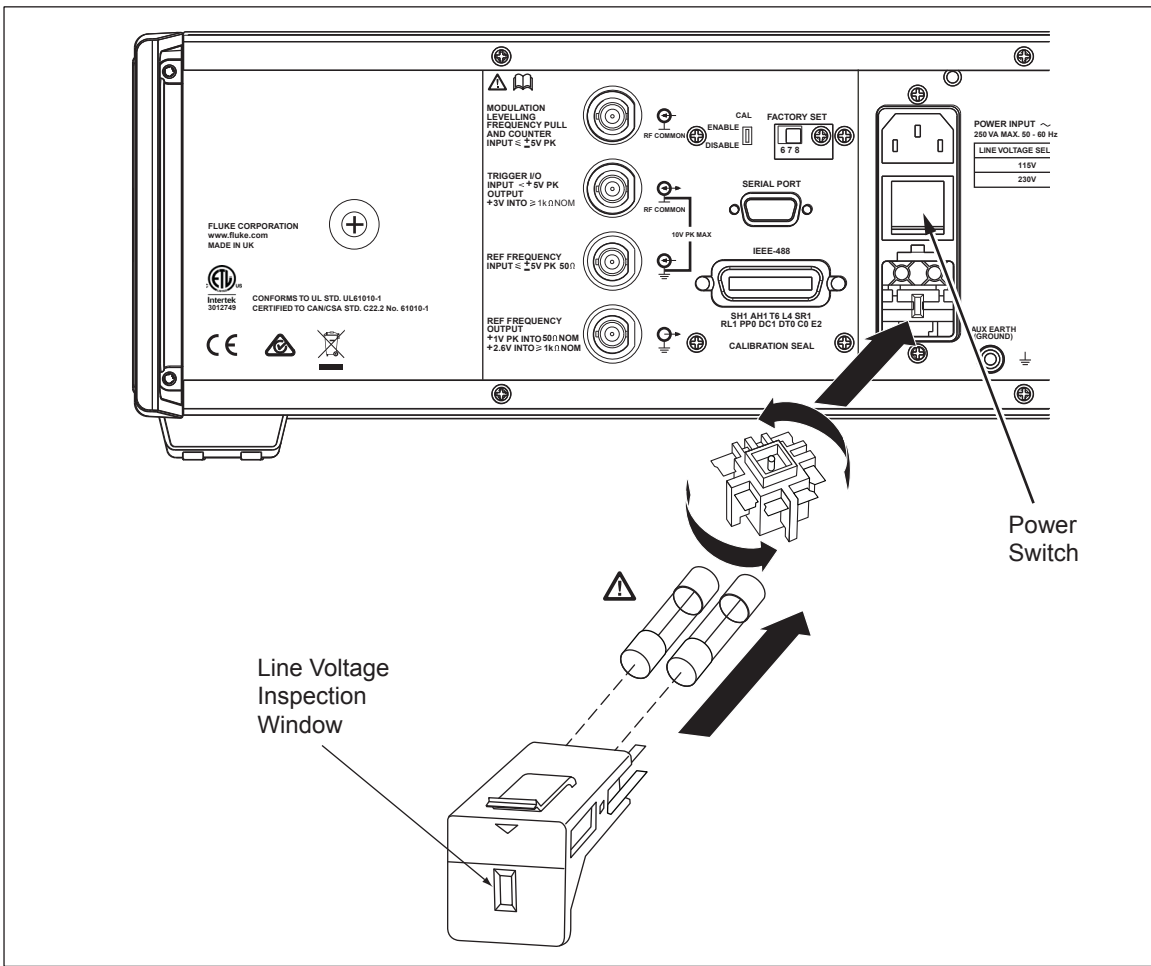


Figure 2-1. Accessing the Fuses and Changing Line Voltage

ead06.eps

On page 3-22, replace Figure 3-4 with:

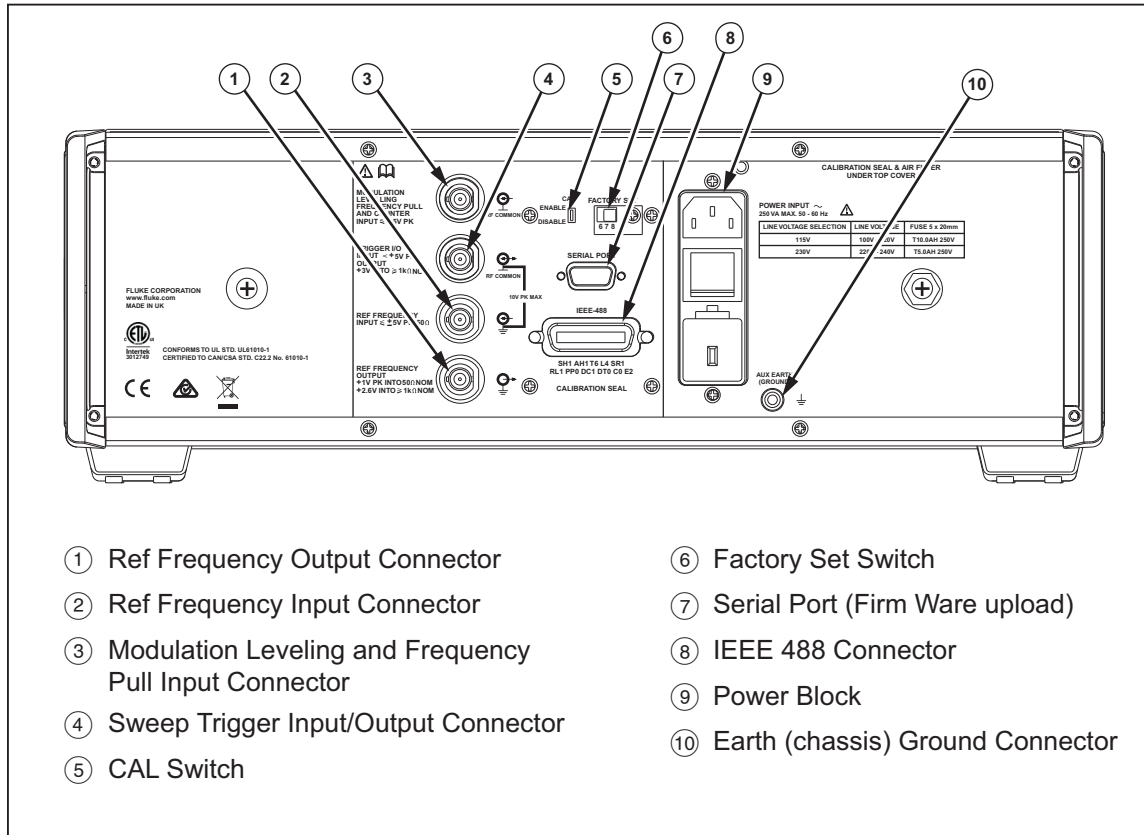


Figure 3-4. Rear Panel Controls and Connectors

ead44feqs

## Change #2, 65963

On page 1-11, replace the Absolute Amplitude Accuracy specifications table with:

Absolute Amplitude Accuracy			50 Ω Output						
Amplitude	10 Hz to 20 kHz	>20 kHz to <100 kHz	100 kHz	>100 kHz to <10 MHz	10 MHz to 128 MHz	>128 MHz to 300 MHz	>300 MHz to 1.4 GHz	>1.4 GHz to 3 GHz	>3 GHz to 4 GHz
>+20 to +24	±0.03 dB	±0.03 dB	±0.03 dB	±0.05 dB	±0.05 dB	Output not available			
>+14 to +20	±0.03 dB	±0.03 dB	±0.03 dB	±0.05 dB	±0.05 dB	±0.07 dB	±0.20 dB		
-17 to +14	±0.03 dB	±0.03 dB	±0.03 dB	±0.05 dB	±0.05 dB	±0.07 dB	±0.20 dB	±0.3 dB	±0.3 dB
-48 to <-17	±0.03 dB	±0.03 dB	±0.03 dB	±0.05 dB	±0.05 dB	±0.07 dB	±0.20 dB	±0.3 dB	±0.5 dB
>-74 to <-48	Not Specified		±0.2 dB	±0.2 dB	±0.1 dB	±0.1 dB	±0.4 dB	±0.5 dB	±0.5 dB
>-84 to -74			±0.5 dB	±0.5 dB	±0.1 dB	±0.3 dB	±0.5 dB	±1.0 dB	±1.0 dB
>-94 to -84			±0.5 dB	±0.5 dB	±0.3 dB	±0.5 dB	±1.0 dB	±1.0 dB	Not Spec'd
-130 to -94					±0.7 dB	±1.5 dB	±1.5 dB	±1.5 dB	

On page 1-11, add new Amplitude Flatness wrt 100kHz specifications table:

Amplitude Flatness wrt 100 kHz			50 Ω Output						
Amplitude									
dBm	10 Hz to 20 kHz	>20 kHz to <100 kHz	100 kHz	>100 kHz to <10 MHz	10 MHz to 128 MHz	>128 MHz to 300 MHz	>300 MHz to 1.4 GHz	>1.4 GHz to 3 GHz	>3 GHz to 4 GHz
>+20 to +24	±0.03 dB	±0.03 dB	±0.00 dB	±0.04 dB	±0.04 dB	Output not available			
>+14 to +20	±0.03 dB	±0.03 dB	±0.00 dB	±0.04 dB	±0.04 dB	±0.06 dB	±0.20 dB		
-17 to +14	±0.03 dB	±0.03 dB	±0.00 dB	±0.04 dB	±0.04 dB	±0.06 dB	±0.20 dB	±0.3 dB	±0.3 dB
-48 to <-17	±0.03 dB	±0.03 dB	±0.00 dB	±0.04 dB	±0.04 dB	±0.06 dB	±0.20 dB	±0.3 dB	±0.5 dB
>-74 to <-48			±0.00 dB	±0.2 dB	±0.1 dB	±0.1 dB	±0.4 dB	±0.5 dB	±0.5 dB
>-84 to -74			±0.00 dB	±0.5 dB	±0.1 dB	±0.3 dB	±0.5 dB	±1.0 dB	±1.0 dB
>-94 to -84			±0.00 dB	±0.5 dB	±0.3 dB	±0.5 dB	±1.0 dB	±1.0 dB	
-130 to -94	Not Specified								

On page 1-13, replace the SSB Phase Noise specifications table 4 GHz row with:

4 GHz	-54	-80	-100	-117	-122	-125	-145	-150
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