Manual Supplement

Manual Title:	8508A Users	Supplement Issue:	**1**
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This supplement contains information necessary to ensure the accuracy of the above manual.

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Change #1

On page 3-24, under ***Temperature***, following the **Probe# Menu** diagram, add:

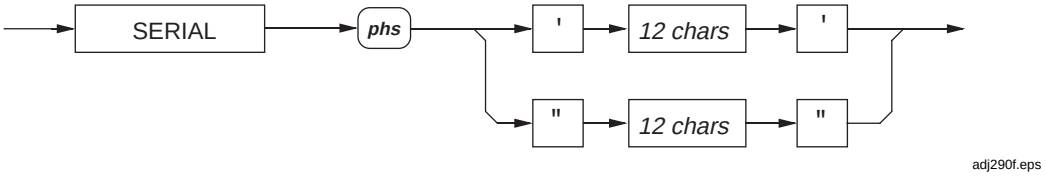
Select OK to ensure the probe indicated is selected.

On page 4-44, under ***OPT?,**

Change: “8508A-01”

To: “8508A/01”

On page 4-50, under *Set Instrument Serial Number*, replace the figure with the following:



On page 5-6, under **DC Current (Secondary Specifications)**, **Temperature Coefficient**, replace the 20 A entries under **± ppm Reading/ °C**:

From:

20 A	0.04	-	8.0	12

To:

20 A	0.04	-	15	20

On page 5-10, under **AC Current (Secondary Specifications)**, **Temperature Coefficient** replace the 20 A entries under **± ppm Reading/ °C**:

From:

20 A	10 - 2k 2k -10k	10 15	15 20		0.04	

To:

20 A	10 - 2k 2k -10k	20 25	25 30		0.04	

On page 6-31, under ***Applicable Verification Tolerance and Conditions***, following the fourth paragraph add the following:

Note that the tolerance testing is done with 7-digit resolution for speed and efficiency reasons. However, the tolerance limits are based on the tighter specifications of 8-digit measurement resolution. (The minor tolerance adders for the reduced resolution are disregarded as practically insignificant in most cases. These adders apply to DC volts, DC current, ohms and Temperature function verifications.) We recommend that the 8-digit resolution mode be used if performance verification shows a borderline out-of-tolerance condition. In such cases 8-digit mode can be selected and the specifically borderline verification tests can be repeated. This will provide additional confidence in the in-tolerance or out-of-tolerance decision made during verification.

On page 6-35, Table 6-9,

Change:

20V	10 V	55 Hz	40 Hz	± 0.00099 V
	10 V	1 kHz	100 Hz	± 0.00119 V

To:

20V	10 V	55 Hz	40 Hz	± 0.00119 V
	10 V	1 kHz	100 Hz	± 0.00099 V

On pages 6-38 and 6-39, Table 6-10, make the following changes:

Change:

2 GΩ	1 GΩ	± 0.0018750 MΩ	± 0.0018750 MΩ

To:

2 GΩ	1 GΩ	± 0.0018750 GΩ	± 0.0018750 GΩ

Change:

20 MΩ	10 MΩ	± 0.0000202 MΩ
200 MΩ	100 MΩ	± 0.0000870 MΩ

To:

20 MΩ	10 MΩ	± 0.000202 MΩ
200 MΩ	100 MΩ	± 0.00870 MΩ

Change #2

On pages 5-5, 5-6, 5-7, 5-9, 5-11, add [15] to each **Full Scale** heading.

On page 5-14, add the following footnote to the bottom of the page:

[15] The maximum resolution of the Analog to Digital converter is 199 990 000 counts. That sets the maximum value measurable on each range to be a one followed by four nines. For example, the maximum measured values on the 2 Volt range on DC Voltage are ±1.999 900 00 volts. However, the 1000 volt ranges are limited to a maximum to 1050 volts.