

Manual Supplement

Manual Title:	5320A Service	Supplement Issue:	4
Print Date:	October 2008	Issue Date:	7/12
Revision/Date:		Page Count:	2

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:	5320A
CD Rev. & Date:	2, 1/09
CD PN:	2634346

Change #1

On page 3-39, replace **Table 3-19** with the following:

Table 3-19. High Test Current Ground Bond Source Limits

Nominal Value	Required Standard Calibrator/Multimeter Current/Voltage Uncertainty	DC Test Current	R_{gbr}	Lower Limit ^[1]	Upper Limit ^[1]
25 mΩ	± 0.5%	20 A		$R_{disp} - 5 \text{ m}\Omega$	$R_{disp} + 5 \text{ m}\Omega$
50 mΩ	± 0.2 %	10 A		$R_{disp} - 5 \text{ m}\Omega$	$R_{disp} + 5 \text{ m}\Omega$
100 mΩ	± 0.1 %	10 A		$R_{disp} - 5 \text{ m}\Omega$	$R_{disp} + 5 \text{ m}\Omega$
330 mΩ	± 0.1 %	5 A		$R_{disp} - 7 \text{ m}\Omega$	$R_{disp} + 7 \text{ m}\Omega$
500 mΩ	± 0.1 %	3 A		$R_{disp} - 8 \text{ m}\Omega$	$R_{disp} + 8 \text{ m}\Omega$
1 Ω	± 0.1 %	2 A		$R_{disp} - 10 \text{ m}\Omega$	$R_{disp} + 10 \text{ m}\Omega$
1.8 Ω	± 0.1 %	2 A		$R_{disp} - 18 \text{ m}\Omega$	$R_{disp} + 18 \text{ m}\Omega$

[1] R_{disp} = Displayed Value

Change #2

On page 3-46, **Table 3-24**, under **Frequency Test Limits**, change **Lower** and **Upper Limits**:

To:

Lower Limit (Hz)	Upper Limit (Hz)
399.92 Hz	400.08 Hz

Change #3, 50723

On page 1-7, under *Short Mode*:

Change: **Nominal resistance**.....<50 mΩ

To: **Nominal resistance**.....<100 mΩ

Change #4

On page 3-6, under **Ground Bond Resistance (and Loop/Line Impedance Resistance)** add the following Note after the first paragraph:

Note

Prior to calibrating the Ground Bond Resistance (and Loop/Line Impedance resistance) function, complete the relay cleaning procedure outlined in Section 6 of the User's Manual under 'Cleaning the Ground Bond Resistance and Loop/Line Impedance Relays.'

On page 3-21, replace steps 16 and 17 with:

16. When calibrating the 20 Amp point be sure to allow 2 minutes of settling time for temperature stabilization of the internal current shunt after the current has been applied to the 5320A. After 2 minutes press the softkey labeled **WRITE**.
17. Repeat steps 12 through 16 for all voltage calibration points listed in Table 3-8.
18. When all calibration points have been calibrated, press the softkey labeled **EXIT** to return to the calibration menu.

On page 3-23, replace step 16 with:

16. When calibrating the 20 Amp point be sure to allow 2 minutes of settling time for temperature stabilization of the internal current shunt after the current has been applied to the 5320A. After 2 minutes press the softkey labeled **WRITE**.
17. Repeat steps 12 through 16 for all AC current calibration points listed in Table 3-9.