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

$[\text{I}]$ $R_{disp} = $ Displayed Value

Change #2
On page 3-46, Table 3-24, under Frequency Test Limits, change Lower and Upper Limits:

To:

<table>
<thead>
<tr>
<th>Lower Limit (Hz)</th>
<th>Upper Limit (Hz)</th>
</tr>
</thead>
<tbody>
<tr>
<td>399.92 Hz</td>
<td>400.08 Hz</td>
</tr>
</tbody>
</table>

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.

**Change #5, 449, 504**

On page 1-5, add the following to the **Symbols** table:

<table>
<thead>
<tr>
<th></th>
<th>Conforms to relevant South Korean EMC Standards.</th>
</tr>
</thead>
</table>

On page 1-6, add the following to the **General Specifications**:

**Electromagnetic Compatibility (EMC)**

- **International**: IEC 61326-1: Basic Electromagnetic Environment
- **CISPR 11**: Group 1, Class A
  - **Group 1**: Equipment has intentionally generated and/or uses conductively-coupled radio frequency energy that is necessary for the internal function of the equipment itself.
  - **Class A**: Equipment is suitable for use in all establishments other than domestic and those directly connected to a low-voltage power supply network that supplies buildings used for domestic purposes. There may be potential difficulties in ensuring electromagnetic compatibility in other environments due to conducted and radiated disturbances.
  - **Emissions that exceed the levels required by CISPR 11 can occur when the equipment is connected to a test object.**

**Change #6, 468**

On page 1-6, under **Fuse Protection**, replace the existing content with:

- **RCD input**: 3.15 A, 250 V, Fast (F3.15H250V – 5 mm x 20 mm)
- **Meter amps (A) input**: 20 A, 500 V, Fast (F20H500 V – 6.3 mm x 32 mm)
- **Loop/Line impedance input**: 4 A, 500 V, Time delay (T4H500 V – 6.3 mm x 32 mm)

**Change #7, 501, 504**

On page 1-6, under **Power Consumption**, add **Measurement**:

- **Measurement**: IEC 61010-2-030: CAT II 300 V

Remove, **Safety Class**, and **Electrostatic Discharge** and add:

- **Safety**
  - **Mains**: IEC 61010-1: Overvoltage Category II, Pollution Degree 2
On page 1-10, in the *Test Current Measurement* section, replace the **Range** with:

Range .............................................................................. 0 A ac to 40 A ac + dc rms. >10 A is a 30 % duty cycle; not to exceed 2 minutes.

On page 1-12, following *AC/DC Voltage Uncertainty, Current*, replace **Range** with:

Range .............................................................................. 0 A ac to 20 A ac + dc rms. >10 A at 30 % duty cycle; not to exceed 2 minutes.

**Change #8, 719**

On page 3-42, remove the *RCD Trip Current Verification* section, steps 1 through 10. Keep Figure 6-8.

On page 3-43, replace Table 3-22 with:

<table>
<thead>
<tr>
<th>Nominal Current</th>
<th>Required Standard Ammeter Accuracy</th>
<th>Frequency</th>
<th>Lower Limit (mA)</th>
<th>Upper Limit (mA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>25 mA ac</td>
<td>0.2 %</td>
<td>Line Freq.</td>
<td>24.75 mA</td>
<td>25.25 mA</td>
</tr>
<tr>
<td>250 mA ac</td>
<td>0.2 %</td>
<td>Line Freq.</td>
<td>247.5 mA</td>
<td>252.5 mA</td>
</tr>
<tr>
<td>2500 mA ac</td>
<td>0.2 %</td>
<td>Line Freq.</td>
<td>2475 mA</td>
<td>2525 mA</td>
</tr>
</tbody>
</table>