

E4980AL-06

Information Only

Internal Only Document

Service Note

Supersedes:
NONE

E4980AL Precision LCR Meter 20Hz to 300kHz/ 500kHz/ 1MHz

Serial Numbers: ALL

Manufacturing ID Number: N/A

E4980A/AL – Option 301 Scanner Upgrade Guide

Parts Required:

P/N	Description	Qty.
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Refer to Solution

ADMINISTRATIVE INFORMATION

Calibration Required
 Calibration NOT Required

PRODUCT LINE: WN
AUTHOR: BS

ADDITIONAL INFORMATION: Scanner Interface Upgrade Guide
Estimated Installation Time: 2 hours

Situation:

This memo describes how to install the option 301 (Scanner interface) into the E4980A and E4980AL. Either service centers or customers can order the upgrade kit for option 301. When the customer order the upgrade kit, the customers send their E4980A or E4980AL along with the kit to the nearest Keysight service center. Below are the upgrade kit part number for E4980A and E4980AL.

Product Option (From)	Product Option (To)	Order with this number
For E4980A (2MHz)		
E4980A-710	E4980A-301	<i>E4980AU-301</i>
For E4980AL (300kHz/ 500kHz/ 1MHz) with label "E4980AL"		
E4980AL-710	E4980AL-301	<i>E4980ALU-311</i>
For E4980AL (300kHz/ 500kHz/ 1MHz) with label "E4980A" ¹		
E4980A-710	E4980A-301	<i>E4980ALU-301</i>

¹The unit is ordered as the E4980AL before November 2014

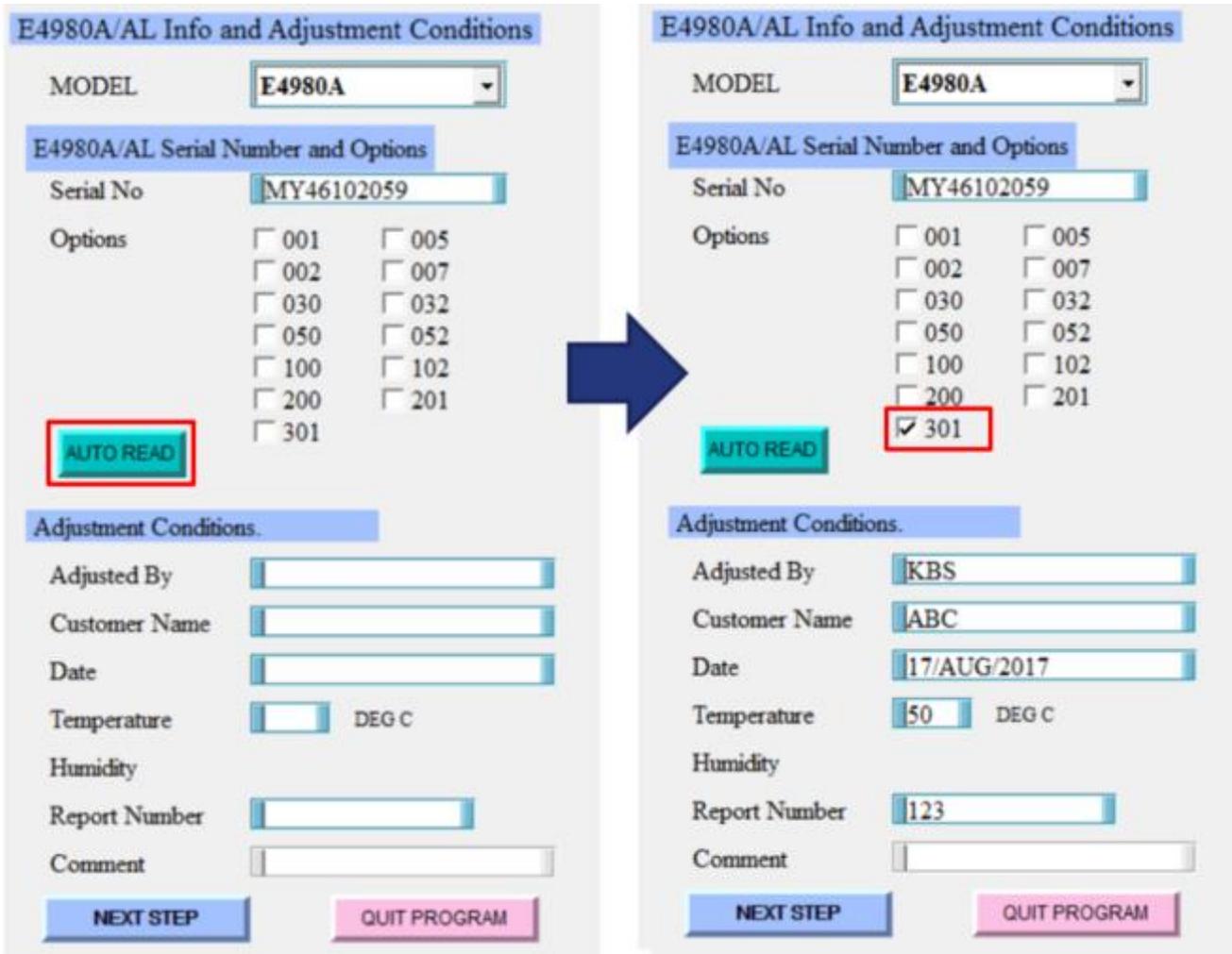
Solution/Action:

Option 301 installation procedure:

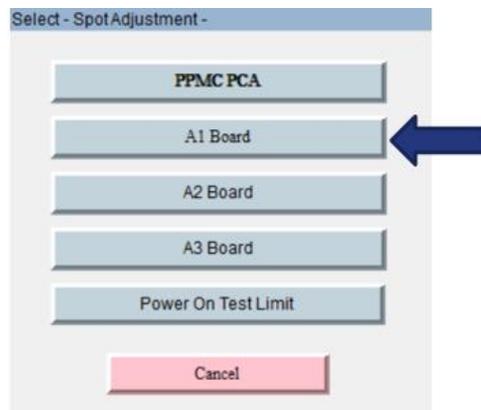
The option 301 is installed by activating the option 301 flag with the E4980A/AL adjustment program and installing the handler interface. After the option 301 flag is activated and the interface is installed, verification of the interface function is required.

Perform the following steps to install the option 301 into the E4980A:

1. Run the E4980A/AL Adjustment program.
2. In E4980A/AL Info and Adjustment Conditions window, click **AUTO READ** button. The serial number and option state for the unit are displayed. Check the box for option 301 and input the data and click **NEXT STEP**.



3. Select Spot Adjustment in Adjustment Program Main Menu. Then, select A1 board in Spot Adjustment window. After selecting Spot Adjustment, the E4980A is restarted. When the test is passed, press NEXT STEP.



4. The following dialog box is displayed. Confirm that the displayed serial number is correct and 301 is displayed in the option box. Press the **WRITE ID** button, and then the E4980A is restarted again.

Ready?

Look FRONT PANEL and REAR(Option label), then check the data listed right side.

If the data is correct, Press [WRITE ID] .

If you want to reenter the data, Press [STOP] then [START] again.

Precision LCR Meter

Look Check Sheet !

MODEL E4980A

OPTIONS 200,301

SERIAL MY46102059

OPTION SETTING			
Model	Power/DC bias Ent	Interface	Interface
	#001	#301	#710
Standard	None	Suport	None

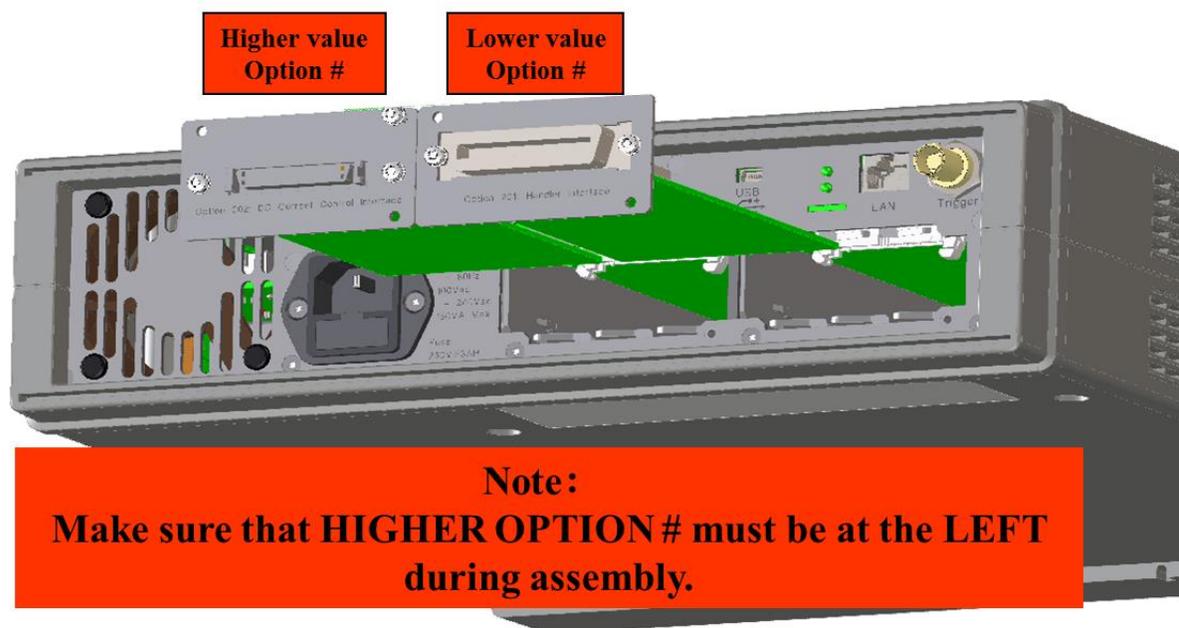
WRITE ID

STOP

Then, a message “Power on test failed” is displayed in the system message area and the normal measurement screen does not appear (Service Mode).

5. Exit the Adjustment program. Then, turn the E4980A off.
6. Install the handler interface into the E4980A or E4980AL. (refer to E4980A/AL service guide, Option Interface replacement procedure in the section Replacement Procedure)

7. Ensure that the higher option (including No Interface -710 option) is always located on the LEFT near to the power supply. The LEFT slot near to the power supply should stay empty if customer only install one of the option.



8. After installing the interface, turn the E4980A on, and verify the following items.
- Inspect booting process
 - Check if no “Power on test failed” message is displayed
 - Check the scanner interface function (refer to E4980A service guide, section To Check the Scanner Interface Function)

Revision History:

Date	Service Note Revision	Author	Reason for Change
17 Apr 2018	01	BS	As Published