53131A-03

S E R V I C E   N O T E

Supersedes:
NONE

53131A Counter

Serial Numbers: MY00000000 / MY40009095
SG00000000 / SG40006920

GPIB hangs when power for instrument is turned on at the same time as PC

To Be Performed By: Agilent-Qualified Personnel or Qualified Customer

Parts Required:

New P/N	Qty.	Description	Old P/N
rev 4243			rev 3944 or before
53131-80055	1	U8, EPROM	53131-80045
53131-80056	1	U9, EPROM	53131-80046
53131-80057	1	U10, EPROM	53131-80047
53131-80058	1	U11, EPROM	53131-80048

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:	
MODIFICATION AVAILABLE	
ACTION CATEGORY: AGREEABLE TIME	X PERFORMANCE ENHANCEMENT [[]] SERVICE / RELIABILITY ENHANCEMENT
LOCATION CATEGORY: X CUSTOMER INSTALLABLE [[]] ON-SITE X SERVICE CENTER	AVAILABLE UNTIL: product discontinuance
AUTHOR: WOH PRODUCT LINE: PL9E	
ADDITIONAL INFORMATION:	

Agilent Technologies

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Situation:
If the 53131A Counter GPIB is connected to a PC with an Agilent 82350A GPIB card, the GPIB may 'hang' when power is turned on to both the 53131A and the PC at the same time. This problem has not been experienced on other GPIB interfaces.

Solution/Action:
Work around
The GPIB will recover if the power is cycled on the 53131A or the power of the 53131A is turned on prior to the power to the PC.

EPROM change
To eliminate this problem, four EPROM's must be changed. The new EPROM"s will not effect the calibration of the units, but the unit will "forget" that it is still calibrated, and will give an "uncalibrated" warning even though the calibration constants are still intact and the calibration is still valid. Calibration of the instrument will remove the warning.

The recommended time to upgrade instruments is to replace the EPROMs at time of Calibration. After replacing the EPROM's, Calibrate the instrument to remove the warning.