

MODIFICATION AVAILABLE – PERFORMANCE ENHANCEMENT
 CHARGEABLE TO CUSTOMER SERVICE / RELIABILITY
 ENHANCEMENT CHARGEABLE TO CONTRACT IF THERE IS ONE.

53181A-02

S E R V I C E N O T E

Supersedes:
 NONE

53181A Counter

Serial Numbers: MY0000000 / MY40004020
 SG0000000 / SG40002818

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

Duplicate Service Notes: 53131A-03, 53132A-03

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

Parts Required:

New P/N	Qty.	Description	Former P/N
rev 4243 or later			rev 3944 or before
53181-80021	1	U8, EPROM	53181-80031
53181-80022	1	U9, EPROM	53181-80032
53181-80023	1	U10, EPROM	53181-80033
53181-80024	1	U11, EPROM	53181-80034

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:		
MODIFICATION AVAILABLE		
ACTION CATEGORY:	AGREEABLE TIME	X PERFORMANCE ENHANCEMENT <input type="checkbox"/> SERVICE / RELIABILITY ENHANCEMENT
LOCATION CATEGORY:	X CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE X SERVICE CENTER	AVAILABLE UNTIL: product discontinuance
AUTHOR: WOH PRODUCT LINE: PL9E		
ADDITIONAL INFORMATION:		

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Situation:

If the 53181A 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 53181A 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 53181A or the power of the 53181A 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.