

S E R V I C E N O T E

SUPERSEDES: None

E1411B 5 1/2 Digit Multimeter (VXI C-size)

Serial Numbers: 3002A00202 / 3002A00408

Modifications to prevent erroneous readings and incorrect delay settings.

To Be Performed By: Agilent-Qualified Personnel

Parts Required:

Part No.	Qty.	Description	Ref Des
E1326-88832	1	IC-PRGMD 87C51	U104
E1411-88811	1	IC-PRGMD 87C51	U23

Situation:

If the E1411B is set to an aperture of 10 uSec and the number of triggers (n) in “TRIG:COUN n” is greater than 1, erroneous readings can be returned by the multimeter.

Also, if the trigger delay (x) in “TRIG:DEL x” is set to uSec, then the multimeter defaults to the maximum delay of 16.7 seconds.

Continued

DATE: 1 June 1991

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	<input checked="" type="checkbox"/> IMMEDIATELY <input type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS:	Labor 0.25 Hours
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER	SERVICE INVENTORY:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	USED PARTS:	<input type="checkbox"/> RETURN <input checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AUTHOR: KD	ENTITY: 0900	AGILENT RESPONSIBLE UNTIL: June 1992	
		ADDITIONAL INFORMATION: Internal reference PCO 09-28504	



Solution:

The two conditions noted above are corrected by replacing the programmed EPROMs. Modification can be performed at the next scheduled service or at customer's convenience. If customer is operating, or intends to operate, the E1411B as described above, modification should be performed as soon as possible.

Action:

CAUTION:

The EPROMs are static-sensitive devices. Perform the modification at an ESD safe work area!

Remove the top shield from the E1411B (7 screws, Torx T10).

On the E1411-66511 board, remove the E1326-88822 EPROM (U104) and replace it with the E1326-88832 EPROM. Discard the old EPROM.

Next replace the E1411-88801 EPROM (U23) with the E1411-88811 EPROM. Discard the old EPROM. Reassemble the E1411B.