E3101	A-07
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S	Е	R	V	Ι	С	Е	Ν	0	Т	Е
							SUPERSEDE	S [.] NON	F	
E31	101A S	emicon	ductor	· Para	ametric	: Tester			_	
Seria	al Numb	ers: JP10)D00101/	JP10D	00283					
Under certain operating conditions, incorrect data is observed.										
To E	Be Perfor	med By:	Agilent-	Qualifi	ed Person	nnel				
Part	s Requir	red:								
no p	art requir	red								
Situ	ation:									
When the following symptoms are observed, it may be caused by a software anomaly.										
- Strange measurement data sometimes appears in the customer's applications.										
- After the "Init_system" command is executed, this symptom disappears.										
- All diagnostics tests pass.										
									Continue	ed -
							DATE: Septen	nber 199	8	

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION: MODIFICATION RECOMMENDED								
ACTION CATEGORY:	 IMMEDIATELY ON SPECIFIED FAILURE AGREEABLE TIME 	STANDARDS: LABOR 1.0 Hours						
LOCATION CATEGORY:	 ☐ CUSTOMER INSTALLABLE ■ ON-SITE ☐ SERVICE CENTER 	SERVICE INVENTORY:	□ RETURN □ SCRAP □ SEE TEXT	USED PARTS:	□ RETURN □ SCRAP □ SEE TEXT			
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	AGILENT RESPONSIBLE UNTIL: September 2000						
AUTHOR: ET	ENTITY: 3300	ADDITIONAL INFORMATION: None						

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The above symptoms appears when the customer's application has the following conditions:

- 30 V or higher voltage is forced to the pin.

- After forcing it, the "Disable_port(port_no)" command is executed to stop the voltage.

- Then the "Connect" command disconnects all the measurement paths.

Example

. 100 Connect(FNSmu(1),Pin1) . 150 Force_v(Pin1,30,0,0.01) . 200 Disable_port(FNSmu(1)) 210 Connect 220 END

Since the wait time between "Disable_port(port_no)" and "Connect" is not enough in the TIS, wet switching sometime happens in the above conditions. The wet switching noise may cause wrong data, which shows the relay open/close status, and is stored in the relay status register on the pin board. When this happens, unexpected relays are accidentally closed.

Solution / Action:

Update the 4071A software and firmware to revisions 1.13 and 1.10, respectively. This software and firmware revisions are included in the 4071A 1.13 CD-ROM. You can get the DDS tape image that is the same one included in the CD-ROM from the following URL:

http://agilentyidmk.jpn.agilent.com/english/4071/secure/software.html

To access this page, you need a user name and password. If you don't know it, please contact "HSTD,Svc-Support".

You can go to the customer site to update the software. But you must confirm the failure symptoms with the customer (ON SPECIFIED FAILURE).

Note that the 4071A software and firmware will be delivered to the software update subscription customers at the end of July.