

S E R V I C E N O T E

SUPERSEDES: NONE

86130A BitAnalyzer Error Performance Analyzer**Serial Numbers:** US40150000 / US40159999**Production 1 Hardware Upgrade****Early shipments may not have met jitter specifications at low bit rates.****To Be Performed By:** Agilent-Qualified Personnel**Parts Required:**

P/N	Description	Quantity
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Factory reference - see PCO45-12983

Situation:

First shipments of 86130A instruments were shipped with an exception letter since they did not meet jitter specifications at low bit rates (>>20 pS p-p data vs clock jitter at 50 Mb/s). Also, the GUI may have falsely displayed a 'clock present' indication.

Continued

DATE: October 2000

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input type="checkbox"/> ON SPECIFIED FAILURE <input checked="" type="checkbox"/> AGREEABLE TIME	STANDARDS: LABOR 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 checked="" type="checkbox"/> SEE TEXT	USED PARTS: <input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input checked="" type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE		
AGILENT RESPONSIBLE UNTIL:	Product Support Life		
AUTHOR: RBS	ENTITY: 5360	ADDITIONAL INFORMATION: Factory reference. See PCO45-12983 for upgrade/rework details.	



Solution / Action:

The new hardware upgrade improves the data vs. clock jitter performance at low frequency (>20 pS p-p, exceeds spec.). Redesigned hardware also prevents false 'clock present' indication on GUI error indicators. The 'Production 1' upgrade also enables the instrument to handle future firmware upgrades.

This 'Production 1' upgrade must be performed by qualified Agilent Technologies factory personnel. It requires re-calibration of the instrument.

An exchange program is available from January 1 and June 1, 2001. Customers should contact their Agilent Sales Representative to schedule the upgrade.