



Manual Identification

Model Number: **OmniBER 718**
Date Printed: **9/00**
Part Number: **37718-90225**

Verification Manual

Manual Change Identification

Part Number: **37718-90243**



37718-90243

This supplement contains important information for correcting manual errors and for adapting the manual to instruments containing improvements made after the printing of the manual.

To use this supplement:

Make all ERRATA corrections.

Make all appropriate serial number related changes indicated in the table below.

Serial Prefix or Number	Make Manual Changes	Serial Prefix or Number	Make Manual Changes

*New Item

Note: Manual Change supplements are revised as often as necessary to keep manuals as current and accurate as possible. Agilent Technologies recommend that you periodically request the latest edition of the supplement. Free copies are available from all Agilent offices. When requesting copies, quote the manual identification information from your supplement or the model number and print date from the title page of the manual.

ERRATA

Page 1-11:

Modify the “**Electrostatic Discharge**” paragraph as follows:

Change: IEC 61000-4-3:1995 to IEC 61000-4-2:1995

***Page 3-1, 'Calibration Cycle' section:**

Add:

'Note: Instruments with option 210 fitted should be returned to the factory for calibration'

Page 3-2, Figure 3-1 Recommended Test Equipment:

Table row 'Optical Coupler', table column 'Recommended model'

Replace: 'HP15477C' with '15744C'

Page 3-15, Specification Table:

Row DS3-HI, level should read 0.9V (nominal) and not 0.36-0.85V

Page 3-79, Step 2:

Change Step 2 to read: Connect the equipment as shown in figure 3-5 using the 20 dB setting of the Attenuator.

Page 3-113, Step 31:

Replace: “Check the RX Jitter results are between 3.174 and 3.866 UI p-p”

with

“Check the RX Jitter results are between 3.204 and 3.836 UI p-p”

Page 3-116, STM-1 Electrical Test Points Table:

Replace “Step 16-20, Rx Min and Max Results p-p - 0.043 and 0.0157”

with

“0.042 and 0.0158”

Page 3-123, Step 9:

Replace: “Check that the Synthesizer waveform on the Oscilloscope is between 364 and 546 mV pk_pk.”

with

“Check that the Synthesizer waveform on the Oscilloscope is between **60 and 100 mV pk_pk.**”

Page 3-142, Jitter Performance Test Record (option 200)

Replace page with enclosed page.

***Page 6-1, add Option 210 provides optimised jitter receiver hardware**
after Option 200 provides jitter generation and measurement

***page 6-1,at bottom of page add:**

Advanced Payload Option

Option 350

Provides additional necessary hardware for ATM and POS to be fitted to 718C mainframes which do not have optical interfaces fitted.

Option 355

provides additional necessary hardware for ATM and POS and provides timestamping and history of service disruption and AIS events on optical signals

Performance Tests
Jitter Performance Test Record (option 200)

Performance Test Record, continued

Page No.	Test Description		Result		
			Min	Actual	Max
		step 33-37 Rx result	8.53 UI p-p		10.34 UI p-p
		step 35 No SDH errors		Pass/Fail	
		step 39-43 Tx result	499.60 UI p-p		556.40 UI p-p
		step 39-43 Rx result	451.60 UI p-p		604.40 UI p-p
		step 41 No SDH errors		Pass/Fail	
3-119	Step 53	STM-1 Optical			
		step 8 Rx result	N/A		0.050 UI p-p
		step 8 No SDH errors		Pass/Fail	
		step 9 Rx result	N/A		0.050 UI p-p
3-119	Step 53	STM-4 Optical			
		step 8 Rx result	N/A		0.070 UI p-p
		step 8 No SDH errors		Pass/Fail	
		step 9 Rx result	N/A		0.070 UI p-p
3-120	Step53	STM-16 Optical			
		step 8 Rx result	N/A		0.070 UI p-p
		step 8 No SDH errors		Pass/Fail	
		step 9 Rx result	N/A		0.070 UI p-p
3-121	SDH Ext. Jitter Generation/ Demod Output				
	Step 9	Input Tx mod.	364mV p-p		546 mV p-p
	Step 10	Demod O/P Amp	756 mV p-p		1.075 V p-p