

Manual Changes

Manual Identification

Model Number: **OmniBER 719**
Date Printed: **September 2000**
Part Number: **37719-90059**

Technical Specification

Manual Change Identification

Part Number: **37719-90085**



37719-90085

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 11, Clock Trigger:****Replace:** 51.840 MHz divided clock output.**with:**

Divided clock output:

51.840 MHz for OC-48/OC-12/OC-3/STS-3

8.65 MHz for OC-1/STS-1

Page 14, APS Messages:**Delete sentence:** Active APS Messages requires option 700**Page 15, Protection Switch Times:****Delete heading and section, replace with:****Service Disruption Test:**

OmniBER now provides timestamping of the first 10 service disruption events and the first 10 AIS duration measurements. (Option 355 is required for this functionality).

Service disruption has been extended to cover the following SDH and SONET tributaries.

- AU-4-16c/STS-48C
- AU-4-4c/STS-12c
- AU-4/STS-3
- AU-3/STS-1

Service Disruption Measurement Parameters

Display Resolution	1 μ s
Measurement Accuracy	50 μ s or better (for unframed signals)
Pattern	All current supported PRBS patterns (2^9-1 , $2^{11}-1$, $2^{15}-1$, $2^{20}-1$, $2^{23}-1$) normal or inverted. Bulk filled. POS. ATM (Using ITU-T O.191 test cell).
Start Condition	Single bit error
Stop Condition	Error burst assumed complete when >200ms has elapsed without any errors being received.
Measurement Period	The elapsed time between the first bit error

received and the last error received once the start and stop conditions have been met.

AIS Duration Measurement Parameters

Display Resolution	1 μ s
Measurement Accuracy	125 μ s (1 frame)
Start Condition	Detection of an all ones pattern in the H1 and H2 bytes, present for three consecutive Frames.
Stop Condition	The absence of all ones in the H1 and H2 bytes.

***Page 15, Protection Switch Times:
at Start Condition -**

Add: present for >56ms

Page 30, Table – Jitter Measurement Bandwidth:

Replace: Range (UI) value '1.6' (in second row of 1.5 Mb/s rate) **with:** '16'.

Replace: Fu value '6.25' MHz (in first row of 622 Mb/s rate) **with:** '5' MHz.

Page 33, Table - T-carrier/PDH Jitter Measurement Inaccuracy Term Z:

In row 34368 bit rate:

Replace: +/- 2% of reading from 100 kHz to 300 kHz

with: +/- 2% of reading from 100 Hz to 300 kHz