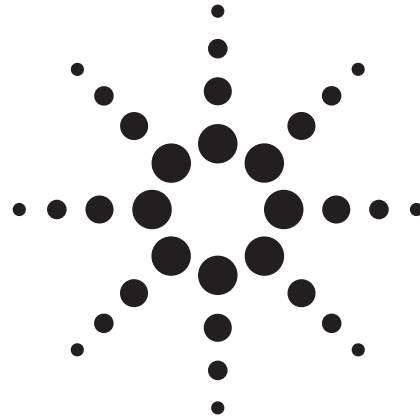


*OmniBER 718
communications
performance analyzer*

Configuration Guide



The OmniBER 718 provides SDH/SONET testing from 56 kb/s to 2.5 Gb/s.

Test interfaces: 2 Mb/s 8 Mb/s, 34 Mb/s, 140 Mb/s, DS1, DS3, 52 Mb/s, 155 Mb/s, 622 Mb/s, 2.5 Gb/s.

Configuration and ordering

To order the test capability you require from your Agilent Technologies OmniBER 718 communications performance analyzer, simply follow the seven steps below.

		Mainframe	
1. Please select the highest rate that you wish to test	Test capability at 2.5 Gb/s and below	37718A	<input type="checkbox"/>
	Test capability at 622 Mb/s and below	37718B	<input type="checkbox"/>
	Test capability at 155 Mb/s and below	37718C	<input type="checkbox"/>
<i>Please note that electrical 52/155 Mb/s testing is included in the base mainframe. Optics are required for the 37718A and 37718B. These can be ordered in step 4 below.</i>			
2. Order standards version <i>(one must be ordered)</i>	SDH (ITU-T)	001	<input type="checkbox"/>
	Dual standard SONET/SDH (ANSI/ITU-T)	002	<input type="checkbox"/>
3. Tributary test interfaces	2, 8, 34, 140 Mb/s and DS1/DS3 interfaces added as standard at no cost	012	<input checked="" type="checkbox"/>
	2 Mb/s into DS3 mapping <i>(also requires Option 012)</i>	014	<input type="checkbox"/>
4. Optical interface <i>(optics must be ordered with the 37718A and 37718B)</i>	1310 nm only	104	<input type="checkbox"/>
	1550 nm only	105	<input type="checkbox"/>
	Dual wavelength 1310 nm/1550 nm	106	<input type="checkbox"/>
	Replaces FC/PC adapters with SC	610	<input type="checkbox"/>
	Replaces FC/PC adapters with ST	611	<input type="checkbox"/>
5. Payload options	Advanced payload engine, providing service disruption history and timestamping and AIS measurements on optical signals to highest rate <i>(must be included for ATM and/or POS)</i>	355	<input type="checkbox"/>
	ATM payloads (up to highest rate)	300	<input type="checkbox"/>
	POS payloads (up to highest rate)	310	<input type="checkbox"/>
6. Jitter test capability	Adds jitter Tx/Rx capability to all selected rates	200	<input type="checkbox"/>
	Adds optimized jitter receiver intrinsics (37718 A only) <i>(must also order option 200)</i>	210	<input type="checkbox"/>
	Wander analyzer software <i>(must also order option 200)</i>	E4547A	<input type="checkbox"/>
7. Accessory options	RS-232-C, GPIB and LAN remote control interfaces added as standard at no cost	601	<input checked="" type="checkbox"/>
	80-column in-lid graphics printer	602	<input type="checkbox"/>

Optical coupler

15744B‡: In-lid optical coupler.

15744C‡: In-pouch optical coupler (for use when option 602, graphics printer is fitted).

‡ Order the appropriate option. For full details of the 15744B/C optical coupler, please ask your local Agilent Technologies representative for a brochure.

E4545A: Additional 3m fiber optic cable (FC/PC connectors).

E4546A: Additional FC/PC 15 dB attenuator.

15722A: Telephone handset for option 012.

Real-time analysis of key wander performance indices

E4547A: Wander analysis software allows real-time analysis of key performance indices MTIE, TDEV, MRTIE. It complies with all relevant ITU-T, Bellcore, ETSI and ANSI standards.

Remote, interactive control of the analyzer

To operate the analyzer remotely, order Agilent Technologies E4540A distributed network analyzer software†.

If you have a PC with MS Windows® and a graphical user interface, order only the E4540A software.

In both cases, also order the RS-232-C remote control interface (option 601).

Graphics printer paper

Printer paper: Part Number 9270-1360.

Carrying cases and rack mount kit

15772C: Hard, robust transit case.

15910B: Soft, vinyl carrying case.

15989A: 19-inch rack mount kit.

Manuals and calibration certificate

Option 0B1: Additional set of manuals.

Option UK6: Calibration certificate.

Warranty

1-year warranty as standard.

Standards conformance

CE mark*: The OmniBER 718 communications performance analyzer has full CE mark compliance and meets the following standards:

- ESD/mains fast transients/radiated susceptibility: meets EN50082-1 (1991).
- Radiation emissions/conducted emissions: meets EN55011 (1991).

Product safety:

The OmniBER 718 communications performance analyzer meets the following safety standards:

- IEC 348/EN61010.

**All products sold in EC and ETSI countries must have the CE mark.*

OmniBER 718 is a
Class 1 laser product
EN60825-1:1994
Class I laser product
FDA 23 CER CH.1 1040.10 (1994)



† For full details of centralized testing using the OmniBER 718 analyzer and other telecom testers from Agilent Technologies, please ask your local Agilent representative for brochure 5964-2240E (distributed network analyzer software).

MS Windows is a US trademark of Microsoft Corporation.

Agilent manufactures the OmniBER 718 communications performance analyzer under a quality system approved to the international standard ISO 9001 plus TickIT (BSI Registration Certificate No FM 10987).

Agilent Technologies' Test and Measurement Support, Services, and Assistance

Agilent Technologies aims to maximize the value you receive, while minimizing your risk and problems. We strive to ensure that you get the test and measurement capabilities you paid for and obtain the support you need. Our extensive support resources and services can help you choose the right Agilent products for your applications and apply them successfully. Every instrument and system we sell has a global warranty. Support is available for at least five years beyond the production life of the product. Two concepts underlie Agilent's overall support policy: "Our Promise" and "Your Advantage."

Our Promise

Our Promise means your Agilent test and measurement equipment will meet its advertised performance and functionality. When you are choosing new equipment, we will help you with product information, including realistic performance specifications and practical recommendations from experienced test engineers. When you use Agilent equipment, we can verify that it works properly, help with product operation, and provide basic measurement assistance for the use of specified capabilities, at no extra cost upon request. Many self-help tools are available.

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Your Advantage means that Agilent offers a wide range of additional expert test and measurement services, which you can purchase according to your unique technical and business needs. Solve problems efficiently and gain a competitive edge by contracting with us for calibration, extra-cost upgrades, out-of-warranty repairs, and on-site education and training, as well as design, system integration, project management, and other professional engineering services. Experienced Agilent engineers and technicians worldwide can help you maximize your productivity, optimize the return on investment of your Agilent instruments and systems, and obtain dependable measurement accuracy for the life of those products.



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