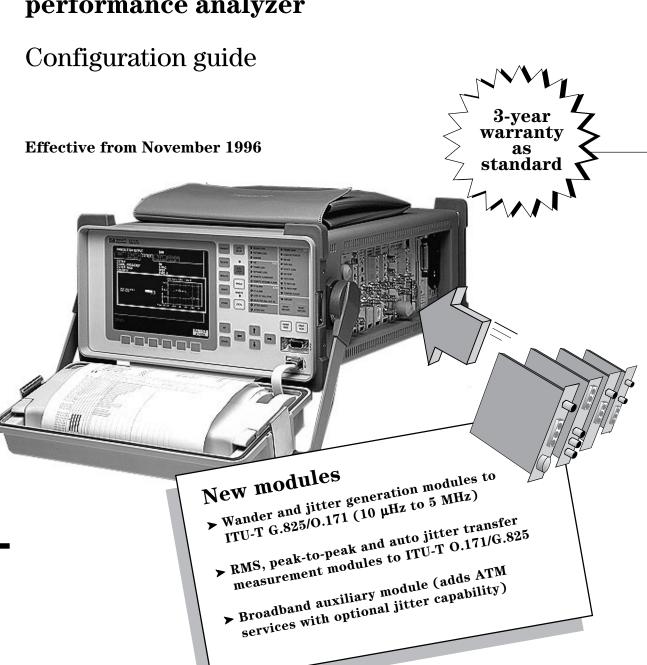


HP 37717C communications performance analyzer



Introduction

Contents

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Configuring the HP 37717C communications performance analyzer	4
Other options and accessories	

Small Siemens cross-reference

All options listed in the following pages are BNC. If you need small Siemens connectors, use the table below to select equivalent Siemens option.

BNC		Small Siemens
UKK	\rightarrow	USB
UKJ	→	USA
UKN UKZ	→	USE not applicable
A1T	→	A1U
140 A3K	→	141
	→	A3Q
UHN	→	US9
A3L A3V	→	A3M A3W
A3N	→	A3P
0YK		
USK		not applicable not applicable
USL		not applicable
UH3	→	US7
UH1		not applicable
UH2		not applicable
URU		not applicable
USN		not applicable
UKT		not applicable
0YH		not applicable
UHC	→	US6
A3D		not applicable
A3B		not applicable
UKX		not applicable
UH4		not applicable
UH5		not applicable
UH6		not applicable
UH7		not applicable
UH8 UKP		not applicable
UKQ		not applicable not applicable

Your choice of test capability

The HP 37717C communications performance analyzer supports comprehensive functional test and jitter capability to help you test your PDH, SDH and ATM networks or network equipment. The analyzer comprises a mainframe with large color display and integral floppy disk drive, optional 80-column graphics printer, and includes power cord and operating manuals. You add the test capability you require by selecting from the optional test modules.

To meet your specific test needs, just order the capability you require. Simply order the HP 37717C analyzer and a single option per module type, where required, from the tables in the pages that follow. Remember, you can configure your analyzer to simultaneously include PDH, SDH, ATM cell layer and jitter, or you can configure it to contain PDH only, SDH only, ATM only or any combination.



HP 37717C communications performance analyzer with color display, floppy disk drive as standard and optional integrated printer.

All the power you need for comprehensive performance testing.

Select optional PDH, SDH, ATM cell layer, ATM services and jitter modules for the analyzer: $\,$

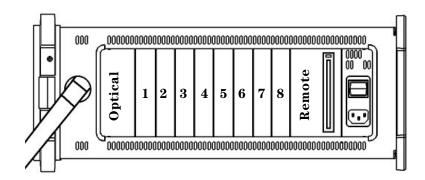
- ATM services layer testing with native LAN connectivity
- ATM cell layer generation and measurement
- STM-1/STM-4 optical interfaces (1310 and 1550 nm)
- STM-1/STM-4 binary interfaces
- PDH and SDH jitter/wander Tx and Rx
- Multiple PDH outputs
- PDH testing (704 kb/s to 140 Mb/s)
- PDH binary interfaces with external clock input
- Printer/remote interfaces
- Graphics printer.

Example configurations

1. STM-4o/STM-1o plus jitter		Option code	Slots used
Example user requirements	PDH and ATM test and interfaces option	UKJ	2
• PDH (2, 8, 34, 140 Mb/s) – full mux/demux capability	2. STM-1e test and interfaces option	A1T	2
• STM-1e (155 Mb/s) electrical interfaces	3. Wander and jitter generation option	A3K	1
• STM-4o/STM-1o (1310 nm) optical interfaces	4. Wander and jitter measurement option	A3N	2
• Optical power measurement	5. ATM services layer test option		
Jitter and wander generation	6. PDH binary interfaces option		
• Jitter measurement (at all above interface rates)	7. Optical interfaces option	UKT	Reserved
	8. SDH binary interfaces option		
• Graphics printer	9. Multiple PDH interfaces option		
• FC/PC optical adapters.	10. Remote-control/external-printer interfaces option		Reserved
	11. Printer option	UKX	_
	12. Optical adaptor option	UH4	_
2. ATM services and jitter		Option code	Slots used
Example user requirements	PDH and ATM test and interfaces option	UKZ	2
• STM-1/OC-3c optical interfaces (1310 nm)	2. STM-1e test and interfaces option	A1T	2
• DS1, DS3, E1, E3, STM-1e electrical interfaces	3. Wander and jitter generation option	A3K	1
	4. Wander and jitter measurement option	A3V	2
• ATM Claused View and kinters and hind CDV	5. ATM services layer test option	OYK	1
• ATM Channel View, rate history, graphical CDV	6. PDH binary interfaces option		
• Jitter and wander generation (E1, E3, STM-1)	7. Optical interfaces option	UH1	Reserved
• Jitter measurement (E1, E3, STM-1)	8. SDH binary interfaces option		
• Screen dumps to printer	9. Multiple PDH interfaces option		
LAN remote controlFC/PC optical adapters.	10. Remote-control/external-printer interfaces option	A3B	Reserved
	11. Printer option	UKX	_
	12. Optical adaptor option	UH4	_
3. STM-1e unstructured, no jitter		Option code	Slots used
Example user requirements	PDH and ATM test and interfaces option	UKK	2
Example user requirements • PDH (2, 8, 34, 140 Mb/s) – no mux/demux capability		UKK A1T	2 2
• PDH (2, 8, 34, 140 Mb/s) – no mux/demux capability	option		
 ◆ PDH (2, 8, 34, 140 Mb/s) – no mux/demux capability ◆ STM-1e (155 Mb/s) electrical interfaces 	option 2. STM-1e test and interfaces option		
 PDH (2, 8, 34, 140 Mb/s) – no mux/demux capability STM-1e (155 Mb/s) electrical interfaces PDH bit error output (for digital radio testing) 	option 2. STM-1e test and interfaces option 3. Wander and jitter generation option		
 PDH (2, 8, 34, 140 Mb/s) – no mux/demux capability STM-1e (155 Mb/s) electrical interfaces PDH bit error output (for digital radio testing) RS-232-C remote control 	option 2. STM-1e test and interfaces option 3. Wander and jitter generation option 4. Wander and jitter measurement option		
 PDH (2, 8, 34, 140 Mb/s) – no mux/demux capability STM-1e (155 Mb/s) electrical interfaces PDH bit error output (for digital radio testing) RS-232-C remote control Remote PC operation 	option 2. STM-1e test and interfaces option 3. Wander and jitter generation option 4. Wander and jitter measurement option 5. ATM services layer test option		2
 PDH (2, 8, 34, 140 Mb/s) – no mux/demux capability STM-1e (155 Mb/s) electrical interfaces PDH bit error output (for digital radio testing) RS-232-C remote control 	option 2. STM-1e test and interfaces option 3. Wander and jitter generation option 4. Wander and jitter measurement option 5. ATM services layer test option 6. PDH binary interfaces option		2
 PDH (2, 8, 34, 140 Mb/s) – no mux/demux capability STM-1e (155 Mb/s) electrical interfaces PDH bit error output (for digital radio testing) RS-232-C remote control Remote PC operation (needs HP E4540A distributed network analyzer 	option 2. STM-1e test and interfaces option 3. Wander and jitter generation option 4. Wander and jitter measurement option 5. ATM services layer test option 6. PDH binary interfaces option 7. Optical interfaces option		2
 PDH (2, 8, 34, 140 Mb/s) – no mux/demux capability STM-1e (155 Mb/s) electrical interfaces PDH bit error output (for digital radio testing) RS-232-C remote control Remote PC operation (needs HP E4540A distributed network analyzer 	option 2. STM-1e test and interfaces option 3. Wander and jitter generation option 4. Wander and jitter measurement option 5. ATM services layer test option 6. PDH binary interfaces option 7. Optical interfaces option 8. SDH binary interfaces option		2 Reserved
 PDH (2, 8, 34, 140 Mb/s) – no mux/demux capability STM-1e (155 Mb/s) electrical interfaces PDH bit error output (for digital radio testing) RS-232-C remote control Remote PC operation (needs HP E4540A distributed network analyzer 	option 2. STM-1e test and interfaces option 3. Wander and jitter generation option 4. Wander and jitter measurement option 5. ATM services layer test option 6. PDH binary interfaces option 7. Optical interfaces option 8. SDH binary interfaces option 9. Multiple PDH interfaces option 10. Remote-control/external-printer	AIT	Reserved
 PDH (2, 8, 34, 140 Mb/s) – no mux/demux capability STM-1e (155 Mb/s) electrical interfaces PDH bit error output (for digital radio testing) RS-232-C remote control Remote PC operation (needs HP E4540A distributed network analyzer 	option 2. STM-1e test and interfaces option 3. Wander and jitter generation option 4. Wander and jitter measurement option 5. ATM services layer test option 6. PDH binary interfaces option 7. Optical interfaces option 8. SDH binary interfaces option 9. Multiple PDH interfaces option 10. Remote-control/external-printer interfaces option	AIT	

Configuring the HP 37717C communications performance analyzer

There are reserved slots for optical interfacing and remote-control modules. In addition, you have a maximum of **eight** user-configurable slots to add PDH, SDH, ATM and jitter capability. Ensure that the number of slots used does not exceed **eight**.



- Review sections 1 to 12 in the following pages to determine the capability you require. In each section, select one option as required and tick the option box.
- **Step 2** Enter the option code and slots used in the table below. Confirm slots used does not exceed eight slots.

		Option code	No. of slots	Slots used
1.	PDH and ATM test and interfaces option		2	
2.	STM-1e test and interfaces option		2	
3.	Wander and jitter generation option		1	
4.	Wander and jitter measurement option		1 or 2	
5.	ATM services layer test option		1 or 2	
6.	PDH binary interfaces option		1	
7.	SDH optical interfaces option		_	Reserved
8.	SDH binary interfaces option		1	
9.	Multiple PDH interfaces option		1	
10.	Remote-control/external-printer interfaces option		_	Reserved
11.	Printer option		_	_
12.	Optical adaptor options			_
Total number of slots used				

Step 3 Check that you have specified both test and interfacing for all required capabilities.

Your local HP sales representative will be happy to help you configure the HP 37717C analyzer to match your specific needs.

	Option	No of	Tick
	code	slots	one
1. PDH and ATM test and interfaces options			
Change are artism (if required) All artisms provide PDU interfaces and			
Choose one option (if required). All options provide PDH interfaces and PDH test capability. Also order option A3K or 140 (section 3) if you require			
jitter transmit capability. • Unstructured DDU testing 0.7.2.8.24 and 140 Mb/s interfaces plus on arrow output	UVV	9	
• Unstructured PDH testing: 0.7, 2, 8, 34 and 140 Mb/s interfaces plus an error output		2	
 Structured PDH testing: 2, 8, 34 and 140 Mb/s interfaces (64 kb/s and n × 64 kb/s testing) ATM cell generation and analysis: 2, 34 and 140 Mb/s interfaces† 		2 2	
- includes all capability of option UKJ (structured PDH testing).	UKN	4	
• ATM cell generation and analysis: DS1, DS3, E1 and E3 interfaces	UKZ*	2	
† If you need ATM cell generation and analysis at STM-1, then also order STM-1e			
test and interfaces option AIT (section 2).			
‡ If you need OC-3c/STM-1, then also order STM-1e test and interfaces option A1T (section 2) and appropriate optical interfaces and adaptor options (sections 7 and 12).			
* Option UKZ does not support options UKX, A3K, 140, A3L, A3V or A3N at present.			
Please contact your local HP sales office if you require this capability.			
	Option	No of	Tick
	code	slots	one
2. STM-1e test and interfaces option			
Character and This state and CTM 1 interfering and CDH test and CDH test			
Choose if required. This option provide STM-1e interfacing and SDH test capability		2	
• STM-1 (155 Mb/s) electrical interface: STM-1 overhead access, thru mode andpointer sequence generation, TU-12, TU-2, VC-3 and VC-4 mappings plus frequency	A11	2	
offset generation, alarm and error generation/detection.*			
${\rm *\ When\ used\ with\ option\ UKZ\ this\ option\ also\ provides\ STS-3c\ overhead\ access.}$			
st When used with option UKZ this option also provides STS-3c overhead access.		1	
st When used with option UKZ this option also provides STS-3c overhead access.	Option	No of	Tick
	Option code	No of slots	Tick one
* When used with option UKZ this option also provides STS-3c overhead access. 3. Wander and jitter generation options	_		
3. Wander and jitter generation options Choose if required. For PDH jitter generation, also order option UKK or UKJ	_		
3. Wander and jitter generation options Choose if required. For PDH jitter generation, also order option UKK or UKJ or UKN (section 1). For SDH jitter generation, also order option A1T (section 2)	_		
3. Wander and jitter generation options Choose if required. For PDH jitter generation, also order option UKK or UKJ or UKN (section 1). For SDH jitter generation, also order option AIT (section 2) plus appropriate optical interfaces and adaptor options (sections 7 and 12).	code	slots	
3. Wander and jitter generation options Choose if required. For PDH jitter generation, also order option UKK or UKJ or UKN (section 1). For SDH jitter generation, also order option A1T (section 2)	code		
 3. Wander and jitter generation options Choose if required. For PDH jitter generation, also order option UKK or UKJ or UKN (section 1). For SDH jitter generation, also order option A1T (section 2) plus appropriate optical interfaces and adaptor options (sections 7 and 12). PDH jitter generation: 2, 8, 34 and 140 Mb/s up to 80 UI (2 Mb/s)	code	slots	
3. Wander and jitter generation options Choose if required. For PDH jitter generation, also order option UKK or UKJ or UKN (section 1). For SDH jitter generation, also order option A1T (section 2) plus appropriate optical interfaces and adaptor options (sections 7 and 12). • PDH jitter generation: 2, 8, 34 and 140 Mb/s up to 80 UI (2 Mb/s)	code	slots	
 3. Wander and jitter generation options Choose if required. For PDH jitter generation, also order option UKK or UKJ or UKN (section 1). For SDH jitter generation, also order option A1T (section 2) plus appropriate optical interfaces and adaptor options (sections 7 and 12). PDH jitter generation: 2, 8, 34 and 140 Mb/s up to 80 UI (2 Mb/s)	code	slots	
 3. Wander and jitter generation options Choose if required. For PDH jitter generation, also order option UKK or UKJ or UKN (section 1). For SDH jitter generation, also order option A1T (section 2) plus appropriate optical interfaces and adaptor options (sections 7 and 12). PDH jitter generation: 2, 8, 34 and 140 Mb/s up to 80 UI (2 Mb/s)	140 A3K Option	slots 1 1 No of	one
 3. Wander and jitter generation options Choose if required. For PDH jitter generation, also order option UKK or UKJ or UKN (section 1). For SDH jitter generation, also order option A1T (section 2) plus appropriate optical interfaces and adaptor options (sections 7 and 12). PDH jitter generation: 2, 8, 34 and 140 Mb/s up to 80 UI (2 Mb/s)SDH jitter generation: STM-1 (155 Mb/s) and STM-4 (622 Mb/s) up to 200 UI (STM-4). All the capability of option 140 plus wander generation: 2 Mb/s, STM-1 (155 Mb/s)and STM-4 (622 Mb/s) up to 14400 UI (STM-4). 	code 140 A3K	1 1	one
 3. Wander and jitter generation options Choose if required. For PDH jitter generation, also order option UKK or UKJ or UKN (section 1). For SDH jitter generation, also order option A1T (section 2) plus appropriate optical interfaces and adaptor options (sections 7 and 12). PDH jitter generation: 2, 8, 34 and 140 Mb/s up to 80 UI (2 Mb/s)	140 A3K Option	slots 1 1 No of	one
 3. Wander and jitter generation options Choose if required. For PDH jitter generation, also order option UKK or UKJ or UKN (section 1). For SDH jitter generation, also order option AIT (section 2) plus appropriate optical interfaces and adaptor options (sections 7 and 12). PDH jitter generation: 2, 8, 34 and 140 Mb/s up to 80 UI (2 Mb/s)SDH jitter generation: STM-1 (155 Mb/s) and STM-4 (622 Mb/s) up to 200 UI (STM-4). All the capability of option 140 plus wander generation: 2 Mb/s, STM-1 (155 Mb/s)and STM-4 (622 Mb/s) up to 14400 UI (STM-4). 4. Wander and jitter measurement options Choose one jitter measurement option (if required). SDH jitter measurement 	140 A3K Option	slots 1 1 No of	one
 3. Wander and jitter generation options Choose if required. For PDH jitter generation, also order option UKK or UKJ or UKN (section 1). For SDH jitter generation, also order option AIT (section 2) plus appropriate optical interfaces and adaptor options (sections 7 and 12). PDH jitter generation: 2, 8, 34 and 140 Mb/s up to 80 UI (2 Mb/s)SDH jitter generation: STM-1 (155 Mb/s) and STM-4 (622 Mb/s) up to 200 UI (STM-4). All the capability of option 140 plus wander generation: 2 Mb/s, STM-1 (155 Mb/s)	140 A3K Option	slots 1 1 No of	one
 3. Wander and jitter generation options Choose if required. For PDH jitter generation, also order option UKK or UKJ or UKN (section 1). For SDH jitter generation, also order option A1T (section 2) plus appropriate optical interfaces and adaptor options (sections 7 and 12). PDH jitter generation: 2, 8, 34 and 140 Mb/s up to 80 UI (2 Mb/s)	140 A3K Option	slots 1 1 No of	one
 3. Wander and jitter generation options Choose if required. For PDH jitter generation, also order option UKK or UKJ or UKN (section 1). For SDH jitter generation, also order option A1T (section 2) plus appropriate optical interfaces and adaptor options (sections 7 and 12). PDH jitter generation: 2, 8, 34 and 140 Mb/s up to 80 UI (2 Mb/s)	140 A3K Option	slots 1 1 No of	one
3. Wander and jitter generation options Choose if required. For PDH jitter generation, also order option UKK or UKJ or UKN (section 1). For SDH jitter generation, also order option A1T (section 2) plus appropriate optical interfaces and adaptor options (sections 7 and 12). • PDH jitter generation: 2, 8, 34 and 140 Mb/s up to 80 UI (2 Mb/s)	code	l I No of slots	one
3. Wander and jitter generation options Choose if required. For PDH jitter generation, also order option UKK or UKJ or UKN (section 1). For SDH jitter generation, also order option A1T (section 2) plus appropriate optical interfaces and adaptor options (sections 7 and 12). • PDH jitter generation: 2, 8, 34 and 140 Mb/s up to 80 UI (2 Mb/s)	code	slots 1 1 No of	one
3. Wander and jitter generation options Choose if required. For PDH jitter generation, also order option UKK or UKJ or UKN (section 1). For SDH jitter generation, also order option A1T (section 2) plus appropriate optical interfaces and adaptor options (sections 7 and 12). • PDH jitter generation: 2, 8, 34 and 140 Mb/s up to 80 UI (2 Mb/s)	code 140 A3K Option code	l No of slots	one
3. Wander and jitter generation options Choose if required. For PDH jitter generation, also order option UKK or UKJ or UKN (section 1). For SDH jitter generation, also order option A1T (section 2) plus appropriate optical interfaces and adaptor options (sections 7 and 12). PDH jitter generation: 2, 8, 34 and 140 Mb/s up to 80 UI (2 Mb/s)	code 140 A3K Option code	l I No of slots	one
3. Wander and jitter generation options Choose if required. For PDH jitter generation, also order option UKK or UKJ or UKN (section 1). For SDH jitter generation, also order option A1T (section 2) plus appropriate optical interfaces and adaptor options (sections 7 and 12). • PDH jitter generation: 2, 8, 34 and 140 Mb/s up to 80 UI (2 Mb/s)	code 140 A3K Option code	l No of slots	one
3. Wander and jitter generation options Choose if required. For PDH jitter generation, also order option UKK or UKJ or UKN (section 1). For SDH jitter generation, also order option AIT (section 2) plus appropriate optical interfaces and adaptor options (section 7 and 12). PDH jitter generation: 2, 8, 34 and 140 Mb/s up to 80 UI (2 Mb/s)	140 A3K Option code UHN	l No of slots	one

	Option code	No of slots	Tick one
5. ATM services layer test options	code	siots	one
Choose one option (if required). As these modules use the interfacing provided by a PDH and ATM test and interfaces option, <u>must</u> also order option UKN or UKZ (section 1).			
• Provides ATM and AAL capabilities including Channel View, rate history,graphical CDV, benchmark traffic.	0ҮК	1	
• As per option 0YK (but occupying two slots). Upgradeable to capability of option USL	USK†	2	
 As per option 0YK (but occupying two slots) plus native Ethernet and Token Ring LAN 	USL†	2	
† Option USK and USL do not support jitter options 140, A3K, UHN, A3L, A3V and A3N at present.			
	Option code	No of slots	Tick one
6. PDH binary interfaces option	code	SIOUS	one
o. This binary interfaces option			
Choose if required. <u>Must</u> also order a PDH and ATM test option (section 1). (Option UH3 does not support option UKZ, 0YK, USK or USL at present.)			
PDH NRZ interfaces: Adds binary Tx clock and data, binary Rx clock and data, plus external clock input.	UН3	1	
	Option code		Tick one
7. Optical interfaces options			
Choose one option (if required). All optical interfaces receive at 1310 and 1550 nm.*			
Provides optical interfaces. <u>Must</u> also order STM-1e test and interfaces option AIT (section 2), and appropriate optical adaptor options (section 12).			
STM-1 optical interfaces only (for testing STM-1 only)†			
• STM-1 (155 Mb/s) optical interface: 1310 nm, -9 dBm output	UH1	reserved	
STM-1/STM-4 optical interfaces (for testing STM-1 at STM-1 and STM-4)†		optical slot	
• Combined STM-1/STM-4 (155/622 Mb/s) optical interfaces: 1310 nm, -10 dBm output	IIH2	5101	
• Combined STM-1/STM-4 (155/622 Mb/s) optical interfaces: 1550 nm, -1 dBm output			
• Combined 5131 1 (155/022 155/5) Spitcul Interfaces. 1555 link, 1 d.Din Suspit.	0100		
Provides optical interfaces, plus optical power measurement and STM-4 test functionality, ie, for STM-4 overhead access. <u>Must</u> also order STM-1e test and interfaces option AIT (section 2), and appropriate optical adaptor options (section 12).			
STM-4 test and optical interfaces†			
• STM-1/STM-4 (155/622 Mb/s) optical interfaces: dual wavelength at 1310 nm,	USN		
• STM-1/STM-4 (155/622 Mb/s) optical interfaces: 1310 nm, -10 dBm output;includes STM-4 overhead access, thru mode and optical power measurement (easily upgradeable to dual wavelength).	U KT	\	

^{*} If multimode fiber compatibility is required, contact your HP sales representative. † When option UKZ (and A1T) are present, these interfaces also provide OC-3c capability.

	Option	No of	Tick
	code	slots	one
8. SDH binary interfaces option			
Choose if required. <u>Must</u> also order STM-4 test and optical interfaces			
option USN or UKT (section 7).			
STM-1/STM-4 NRZ interfaces. 50 ohm ECL Tx data and Tx clock outputs, plus Products and Products insures.	0ҮН	1	
Rx data and Rx clock inputs.			
	Option	No of	Tick
	code	slots	one
9. Multiple PDH interfaces option			
Choose if required. <u>Must</u> also order a PDH and ATM test and interface option			
UKK, UKJ or UKN (section 1).			
• Three additional 2, 8, 34 and 140 Mb/s outputs	UHC	1	
	Option		Tick
	code		one
10. Remote-control/external-printer interfaces options			
Choose one option (if required).			
RS-232-C and HP-IB remote-control/external-printer interfaces	A3D	reserved	
		remote	
• LAN remote control, RS-232-C and HP-IB remote-control/external-printer interfaces	АЗВ	slot	
	0-4:		TI: -1-
	Option code		Tick one
11. Printer option			
Choose if required.			
 Integrated, full-width, 80-column graphics printer (for printing of graphics,results and screen dumps). 	UKX	Uses lid	
	0.41		m: 1
	Option code		Tick as required
12. Optical adaptor options			
If specifying an SDH optical interface and/or wander and jitter measurements, choose the connector adaptor type(s) to suit your particular requirements:			
• FC/PC	UH4	Not	
• DIN47526	UH5	applicable	
• ST	UН6		
Biconic	UH7		
• NEC D4	UH8		
• SC		\perp	
• HMS-10/HP	UKQ	▼	

Other options and accessories



Optical coupler

HP15744A: Optical coupler.*

*Order the appropriate option. For full details of the HP 15744A optical coupler, please ask your local HP representative for a brochure.
The optical coupler and graphics printer (option UKX) cannot both be fitted at the same time.

HP 15722A: Telephone handset for options UKJ or UKN.

Remote, interactive control of analyzers

To operate the HP 37717C analyzer remotely from your PC using MS Windows® via a graphical user interface, order option USS distributed network analyzer firmware for the analyzer. Also order an RS-232-C interface.

Option USS: HP distributed network analyzer firmware – needs HP E4540A distributed network analyzer software.†

† For full details of centralized testing using the HP 37717C analyzer and other telecom testers from HP, please ask your local HP representative for brochure 5964-2240E (distributed network analyzer software).

Carrying cases and rack mount kit

HP 15910B: Soft, vinyl carrying case. **HP 15772B:** Hard, robust transit case. **HP 15770A:** Rack mount kit.

HP 15777C upgrade kit

Enhance the capabilities of the HP 37717C analyzer at a later date. To order HP 15777C upgrade kit options, contact your local HP sales representative.

Graphics printer paper

Printer paper: Part number 9270-1360.

Warranty

3-year warranty as standard.

Manuals and calibration certificate

Option AVA: Calibration manual.
Option OB2: One additional operating

Option OBF: One additional remote operation manual.

Option UK6: Calibration certificate.

Standards conformance

CE mark:* The HP 37717C 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 HP 37717C communications performance analyzer meets the following safety standards:

- IEC 348/EN61010.
- * All products sold in EC and ETSI countries must have the CE mark.

For more information on Hewlett-Packard Test & Measurement products, applications or services please call your local Hewlett-Packard sales offices. A current listing is available via Web through AccessHP at http://www.hp.com. If you do not have access to the internet please contact one of the HP centers listed below and they will direct you to your nearest HP representative.

United States:

Hewlett-Packard Company Test and Measurement Organization 5301 Stevens Creek Blvd. Bldg. 51L-SC Santa Clara, CA 95052-8059 1 800 452 4844

Canada:

Hewlett-Packard Canada Ltd. 5150 Spectrum Way Mississauga, Ontario L4W 5G1 (905) 206 4725

Europe:

Hewlett-Packard European Marketing Centre P. O. Box 999 1180 AZ Amstelveen The Netherlands

Japan:

Hewlett-Packard Japan Ltd. Measurement Assistance Center 9-1, Takakura-Cho, Hachioji-Shi Tokyo 192, Japan Tel: (81-426) 56-7832 Fax: (81-426) 56-7840

Latin America:

Hewlett-Packard Latin American Region Headquarters 5200 Blue Lagoon Drive 9th Floor Miami, Florida 33126 USA (305) 267 4245/4220

Australia/New Zealand:

Hewlett-Packard Australia Ltd. 31-41 Joseph Street Blackburn, Victoria 3130 Australia 1 800 629 485

Asia Pacific:

Hewlett-Packard Asia Pacific Ltd. 17-21/F Shell Tower, Times Square 1 Matheson Street, Causeway Bay Hong Kong Fax: (852) 2506 9285

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MS Windows is a US trademark of Microsoft Corporation.

HP manufactures the HP 37717C communications performance analyzer under a quality system approved to the international standard ISO 9001 plus TickIT (BSI Registration Certificate No FM 10987).

Class 3a laser product EN60825-1: 1994

Class 1 laser product FDA 23 CER CH.1 1040.10 (1994)

