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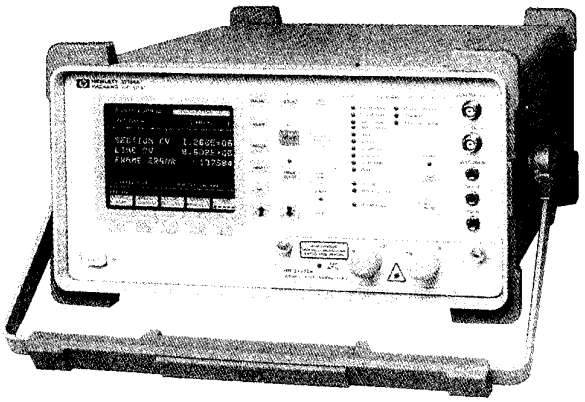
Find the *Keysight / Agilent 37704A* at our website: ***Click HERE***

TELECOMMUNICATIONS & DATA COMMUNICATIONS TEST

SONET/SDH Test Sets

HP 37704A, 37744A, 37724A

- Combined SONET/DS3 and DS1 test solution
- Field-portable and robust unit
- Easy to use
- Overhead and mapped payload testing



HP 37704A

DESIGNED FOR HP-IB SYSTEMS

HP 37704A SONET Test Set

The HP 37704A is a comprehensive, field-portable, SONET, DS3, and DS1 test set for applications up to 622 Mb/s (STS-12). It provides generation and analysis of VT (DS1) and DS3-mapped SONET signals, with full control of section, line, and path overhead bytes. Plug-in modules provide connection to a range of optical and electrical interfaces. Errors, alarms, and T1X1 pointer movement sequences are generated to stress equipment up to and beyond ANSI standards.

Applications

The HP 37704A is a rugged, portable test set well suited to installation, acceptance testing or commissioning, and maintenance of SONET, DS3, and DS1 network equipment. In addition, its comprehensive test suite covers many applications in R&D and production.

Specifications

Frame Formats: DS1, DS3, STS-1, STS-3, and STS-12
Mappings: DS1 (all VT1.5 modes) and DS3 to ANSI T1.105 and Bellcore TA-TSY-000253
Test Interfaces
Optical: 51.84, 155.52, and 622.08 Mb/s (1310 nm)
Coded electrical: 1.544 (B8ZS), 44.736 (B3ZS), 51.84 (B3ZS), and 155.52 (CMI) Mb/s
Size: 340 mm W × 190 mm H × 420 mm D (13.9 in × 7.8 in × 17.2 in)
Weight: 10 kg (22 lb)

HP 37744A SONET Tester

The HP 37744A is a small, rugged, and easy-to-use SONET tester for applications up to 155 Mb/s. It provides a low-cost solution for the generation and analysis of the section line and path overhead on structured 52-Mb/s or 155-Mb/s SONET signals. The tester is intended for applications in SONET circuit installation and maintenance, as well as for circuit monitoring in central offices.

Specifications

Frame Formats: STS-1 and STS-3
Test Interfaces: Optical, 51.84 Mb/s and 155 Mb/s (1310 nm); coded electrical, 51.84 (B3ZS) and 155.52 (CMI) Mb/s
Size: 340 mm W × 190 mm H × 208 mm D (13.4 in × 7.5 in × 8.2 in)
Weight: 4.5 kg (10 lb)

Ordering Information	Price
HP 37704A SONET Test Set	$19,900
Opt 001 Frequency Offset	+$3,000
Opt 002 VT Capability	+$7,200
HP 37744A SONET Tester	$9,900
Accessories	
HP 37771A STS-3 Electrical Interface	$3,000
HP 37772A Optical Interface 52/155 Mb/s (STM-1)	$14,500
HP 37776A Optical Interface 622 Mb/s (STM-1/4)	$25,500

- SDH testing at 155 Mb/s (STM-1) and 622 Mb/s (STM-4)
- PDH testing at 2 Mb/s and 140 Mb/s
- Comprehensive, single-unit test solution
- Field-portable and robust unit



HP 37724A

NEW

DESIGNED FOR HP-IB SYSTEMS

HP 37724A SDH/PDH Test Set

The HP 37724A is a comprehensive, field-portable SDH/PDH test set for applications up to 622 Mb/s (STM-4). It provides generation and analysis of TU-12 (2 Mb/s) and 140-Mb/s mapped SDH signals, with full control of regenerator section, multiplexer section, and path overhead bytes. Plug-in modules provide connection to a range of optical interfaces. Errors, alarms, and G.783 pointer movement sequences are generated to stress equipment up to and beyond CCITT standards.

Applications

The HP 37724A is a rugged, portable test set well suited to installation, acceptance testing or commissioning, and maintenance of SDH network equipment. In addition, its comprehensive test suite covers many applications in R&D and production.

It provides a wide range of tests for verifying SDH equipment such as line systems, add-drop multiplexers, digital cross-connects, and line-terminal multiplexers.

Specifications

Frame Formats: STM-1 and STM-4
Mappings: 2 Mb/s (all TU-12 modes) and 140 Mb/s to CCITT G.709
Test Interfaces
Optical: 155.52 and 622.08 Mb/s (1310 nm)
Coded electrical: 2.048 (HDB3), 139.264 (CMI), and 155.52 (CMI) Mb/s
Add/drop: 2 Mb/s, 140 Mb/s, STM-1, and overhead DCC channels
Overhead: Standard and user-programmable section, line, and path overhead bytes
Size: 340 mm W × 190 mm H × 420 mm D (13.9 in × 7.8 in × 17.2 in)
Weight: 10 kg (22 lb)

Ordering Information	Price
HP 37724A SDH/PDH Test Set	$25,530
Opt 001 Frequency Offset	+$3,000
Opt 002 TU Capability	+$4,000
Opt 003 Small Siemens 1.6/5.6 mm replace all BNC	$0
Accessories	
HP 37772A Optical Interface 52/155 Mb/s (STM-1)	$14,500
HP 37776A Optical Interface 155/622 Mb/s (STM-1/4)	$25,500

For the most current prices and product information, contact your local Hewlett-Packard sales office—see page 665.

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