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HP 37717C
Quick Reference Guide

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Setting the Interfaces

Setting the Transmit Interfaces

Setting PDH Transmit Interface	Transmit [PDH] MAIN SETTINGS
Setting PDH Transmit Binary Interface	Transmit [PDH] BINARY
Setting SDH Transmit Interface	Transmit [SDH] SDH
Setting Jitter Transmit Interface	Transmit [SDH] JITTER OR Transmit [PDH] JITTER
Setting Wander Transmit Interface	Transmit [SDH] JITTER OR Transmit [PDH] JITTER
Selecting the Physical Transmit Interface for ATM Payloads	Transmit [ATM] PHYSICAL LAYER
Setting SDH THRU Mode	Transmit [SDH] SDH SIGNAL [ ] [THRU MODE]

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Setting the Receive Interfaces

Using Autosetup	Autosetup
Setting PDH Receive Interface	Receive [PDH] MAIN SETTINGS
Setting PDH Receive Binary Interface	Receive [PDH] BINARY
Setting SDH Receive Interface	Receive [SDH] SDH
Setting Jitter Receive Interface	Receive [SDH JITTER] **OR** Receive [PDH] JITTER
Selecting the Physical Receive Interface for ATM payloads	Receive [ATM] PHYSICAL LAYER

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Selecting Test Features

Selecting and Using Overhead Features

Using Transmit Overhead Setup	Transmit [SDH] OVERHEAD SETUP
Using Receive Overhead Monitor	Receive [SDH] OVERHEAD MONITOR
Setting Overhead Trace Messages	Transmit [SDH] OVERHEAD SETUP SETUP [TRACE]
Generating Overhead Sequences	Transmit [SDH] TEST FUNCTION TEST FUNCTION [SDH] [SEQUENCES]
Using Receive Overhead Capture	Receive [SDH] TEST FUNCTION TEST FUNCTION [O/H CAPTURE]

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Selecting and Using Signal Features

Adding Frequency Offset to the SDH Signal	Transmit [SDH] SDH CLOCK [INTERNAL] OFFSET [ON]
Adding Frequency Offset to the PDH Signal	Transmit [PDH] MAIN SETTINGS FREQUENCY OFFSET [<select>]
Setting up Signaling Bits	Transmit [PDH] TEST FUNCTION
Setting Transmit Structured Payload/Test Signal	Transmit [SDH] STRUCT'D PAYLOAD OR Transmit [PDH] STRUCT'D SETTINGS
Setting Receive Structured Payload/Test Signal	Receive [SDH] STRUCT'D PAYLOAD OR Receive [PDH] STRUCT'D SETTINGS
Connecting A Telephone Handset	Transmit [SDH] STRUCT'D PAYLOAD TEST SIGNAL [64 kb/s] [HANDSET] Transmit [PDH] STRUCT'D SETTINGS TEST SIGNAL [64 kb/s] [HANDSET]
Setting Transmit N X 64 kb/s Structured Payload/Test Signal	Transmit [SDH] STRUCT'D PAYLOAD TEST SIGNAL [Nx64] Transmit [PDH] STRUCT'D SETTINGS TEST SIGNAL [Nx64]
Setting Receive N X 64 kb/s Structured Payload/Test Signal	Receive [SDH] STRUCT'D PAYLOAD TEST SIGNAL [Nx64] Receive [PDH] STRUCT'D SETTINGS TEST SIGNAL [Nx64]

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Selecting and Using Signal Features (cont'd)

Inserting an External PDH Payload/Test Signal	Transmit [SDH] STRUCT'D PAYLOAD 2M PAYLOAD [INSERT 2Mb/s] Transmit [PDH] STRUCT'D SETTINGS 2M PAYLOAD [INSERT 2Mb/s]
Dropping an External Payload/Test Signal	Receive [SDH] STRUCT'D PAYLOAD 2M PAYLOAD [DROP 2Mb/s] Receive [PDH] STRUCT'D SETTINGS 2M PAYLOAD [DROP 2Mb/s]
Selecting ATM Cell Stream Payload	Transmit [ATM] ATM LAYER CELLSTREAM [CONTENTS]
Selecting ATM Cell Stream Timing Distribution	Transmit [ATM] ATM LAYER CELLSTREAM [DISTRIBUTION]
Selecting ATM Cell Stream Headers and Interface	Transmit [ATM] ATM LAYER CELLSTREAM [CONTENTS]
Adding Errors & Alarms at the SDH Interface	Transmit [SDH] TEST FUNCTION TEST FUNCTION [SDH] [ERR & ALARM]
Adding Errors & Alarms to the PDH Interface/PDH Payload	Transmit [SDH] TEST FUNCTION TEST FUNCTION [PDH PAYLD] [ERR & ALARM]
Using FEAC Codes in the HP 37717C	Transmit [PDH] TEST FUNCTION
Adding ATM Errors and Alarms	Transmit [ATM] TEST FUNCTION TEST FUNCTION [ATM PAYLD] [ERR & ALARM]
Setting PDH Spare Bits	Transmit [SDH] TEST FUNCTION TEST FUNCTION [PDH PAYLD] [SPARE BITS]

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Selecting and Using Signal Features (cont'd)

Adding Pointer Adjustments	Transmit [SDH] TEST FUNCTION TEST FUNCTION [SDH] [ADJUST POINTER]
Using Pointer Graph Test Function	Receive [SDH] TEST FUNCTION TEST FUNCTION [POINTER GRAPH]
Stressing Optical Clock Recovery Circuits	Transmit [SDH] TEST FUNCTION TEST FUNCTION [SDH] [STRESS TEST]
Generating Automatic Protection Switch Messages	Transmit [SDH] TEST FUNCTION TEST FUNCTION [SDH] [APS MESSAGES]
Inserting & Dropping Data Communications Channel	Transmit [SDH] TEST FUNCTION TEST FUNCTION [SDH] [DCC INSERT/ DROP]

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Making Measurements

Using Overhead BER Test Function	**Receive** [SDH] **TEST FUNCTION** TEST FUNCTION [OVERHEAD BER]
Test Timing	**Results** TIMING CONTROL
Making SDH Analysis Measurements	**Results** [SDH] ANALYSIS
Making PDH Analysis Measurements	**Results** [PDH] ERROR ANALYSIS
Measuring Jitter	**Results** JITTER
Measuring Wander	**Results** WANDER
Measuring Frequency	**Results** [SDH] FREQUENCY **OR** **Results** [PDH] FREQUENCY
Measuring Optical Power	**Results** [SDH] OPTICAL POWER
Measuring Round Trip Delay	**Results** [PDH PAYLD] [TRIP DELAY]
Monitoring Signaling Bits	**Results** [PDH PAYLD] [SIG/BIT MONITOR]
Measuring Service Disruption Time	**Results** SRVC DISRUPT

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Making Measurements (cont'd)

Performing an SDH Tributary Scan	Transmit [SDH] TEST FUNCTION [TRIB SCAN] Results [SDH] [TRIB SCAN]
Performing an SDH Alarm Scan	Transmit [SDH] TEST FUNCTION [ALM SCAN] Results [SDH] [ALM SCAN]
Performing a PDH Alarm Scan	Results [PDH] [ALM SCAN]
Measuring Jitter Tolerance	Transmit [PDH] JITTER [TOLERANCE]
Measuring Jitter Transfer	Transmit [PDH] JITTER [TRANSFER FN]
Selecting the ATM Measurement Parameters	Receive [ATM] ATM LAYER
Making ATM Measurements	Results [ATM]
Measuring Cell Transfer Delay and Cell Delay Variation	Results [ATM] [CELL DELAY]
Measuring ATM Non-Conforming cells and one-point Cell Delay Variation	Receive [ATM] ATM LAYER
Monitoring ATM Alarms	Results [ATM] [ALARM SECONDS]

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Storing, Logging and Printing

Saving Graphics Results to Instrument Store	**Results** [TIMING CONTROL] GRAPH STORAGE [1 MIN RESOL'N]
Recalling Stored Graph Results	**Graph** TEXT RESULTS STORE STATUS
Viewing the Bar Graph Display	**Graph** GRAPH RESULTS
Viewing the Graphics Error and Alarm Summaries	**Graph** TEXT RESULTS
Logging Graph Displays	**Other** [LOGGING] LOGGING SETUP [DEVICE]
Logging Results	**Other** [LOGGING] LOGGING SETUP [CONTROL]
Logging Results to Centronics Printer	**Other** [LOGGING] LOGGING SETUP [DEVICE]
Logging Results to HP-IB Printer	**Other** [LOGGING] LOGGING SETUP [DEVICE]
Logging Results to Internal Printer	**Other** [LOGGING] LOGGING SETUP [DEVICE]
Logging Results to RS-232-C Printer	**Other** [LOGGING] LOGGING SETUP [DEVICE]
Logging Jitter Tolerance Results	**Other** [LOGGING] LOGGING SETUP [DEVICE]
Logging Jitter Transfer Results	**Other** [LOGGING] LOGGING SETUP [DEVICE]

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Using Instrument and Disk Storage

Storing Configurations in Instrument Store	Other [STORED SETTINGS]
Storing Current Configurations on Disk	Other [FLOPPY DISK]
Setting up a Title for Configurations in Instrument Store	Other [STORED SETTINGS]
Recalling Configurations from Instrument Store	Other [STORED SETTINGS]
Formatting a Disk	Other [FLOPPY DISK]
Labeling a Disk	Other [FLOPPY DISK]
Managing Files and Directories on Disk	Other [FLOPPY DISK]
Adding Descriptors to Disk Files	Other [FLOPPY DISK]
Saving Graphics Results to Disk	Results [TIMING CONTROL] GRAPHIC STORAGE [DISK]
Saving Data Logging to Disk	Other [FLOPPY DISK] DISK OPERATION [SAVE]

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Using Instrument and Disk Storage (cont'd)

Recalling Configuration from Disk	Other [FLOPPY DISK] DISK OPERATION [RECALL]
Recalling Graphics Results from Disk	Other [FLOPPY DISK] DISK OPERATION [RECALL]
Copying Configuration from Instrument Store to Disk	Other [FLOPPY DISK] DISK OPERATION [FILE]
Copying Configuration from Disk to Instrument Store	Other [FLOPPY DISK] DISK OPERATION [FILE]
Copying Graphics Results from Instrument Store to Disk	Other [FLOPPY DISK] DISK OPERATION [FILE]
Deleting a File on Disk	Other [FLOPPY DISK] DISK OPERATION [FILE]
Deleting a Directory on Disk	Other [FLOPPY DISK] DISK OPERATION [FILE]
Renaming a File on Disk	Other [FLOPPY DISK] DISK OPERATION [FILE]
Creating a Directory on Disk	Other [FLOPPY DISK] DISK OPERATION [FILE]

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Selecting and Using "Other" Features

Coupling Transmit & Receive Settings	Other [SETTINGS CONTROL]
Suspending Test on Signal Loss	Other [MISCELLANEOUS]
Setting Time & Date	Other [TIME AND DATE]
Enabling Keyboard Lock	Other [MISCELLANEOUS]
Enabling Beep on Received Error	Other [MISCELLANEOUS]
Enabling Analysis Control	Other [MISCELLANEOUS]
Setting Error Threshold Indication	Other [COLOR CONTROL]
Dumping Display to Disk	Other [LOGGING] LOGGING SETUP [CONTROL] LOG ON DEMAND [SCREEN DUMP]
Setting Screen Brightness and Color	Other [COLOR CONTROL]
Running Self Test	Other [SELF TEST]

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