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In This Guide

Instructions on how to quickly select main instrument functions.



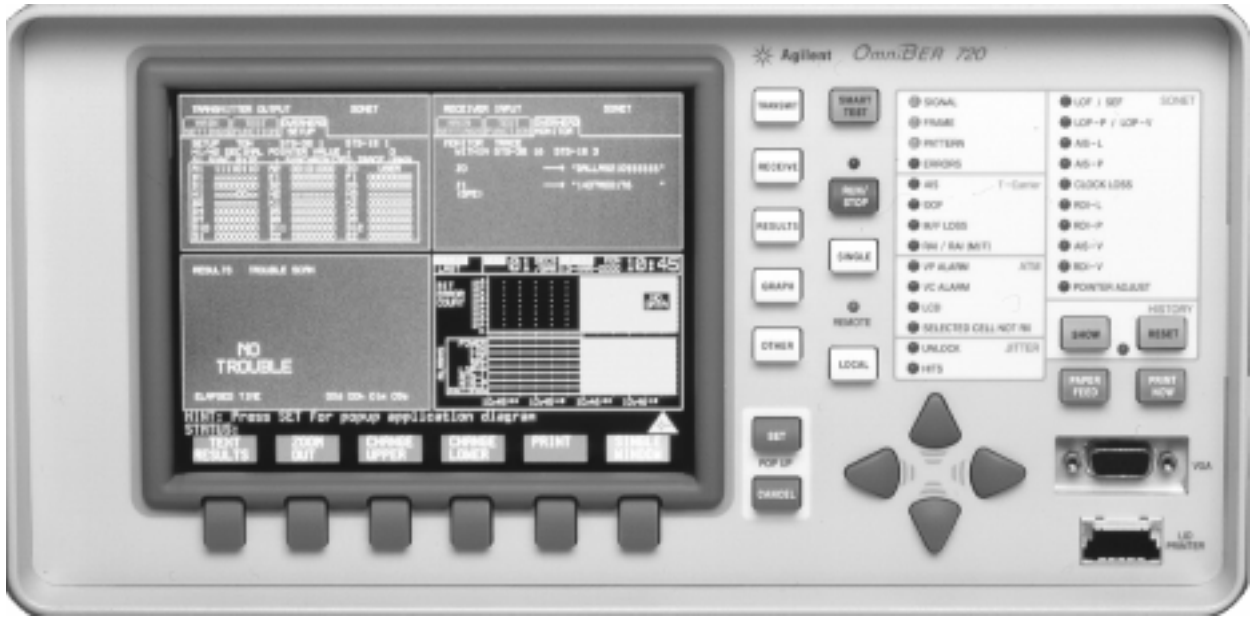
OmniBER 720

Quick Reference Guide

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Introduction

Use this book to quickly access the main instrument functions and tasks.

Setting the Transmit Interfaces

Setting SDH/SONET Transmit Interface	TRANSMIT MAIN SETTINGS
Setting SDH/SONET THRU Mode	TRANSMIT MAIN SETTINGS SIGNAL [THRU MODE]
Setting TCM in the Transmitter	TRANSMIT [SDH] MAIN SETTINGS TCM PATH [ ]

Setting the Receive Interfaces

Using Smartsetup	SMART TEST [START] [RESCAN]
Using Smart Test	SMART TEST
Setting SDH/SONET Receive Interface	RECEIVE MAIN SETTINGS
Setting TCM in the Receiver	RECEIVE [SDH] MAIN SETTINGS TCM PATH

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Selecting and Using Overhead Features

Using Transmit Overhead Setup	TRANSMIT OVERHEAD SETUP
Using Receive Overhead Monitor	RECEIVE OVERHEAD MONITOR
Setting Overhead Trace Messages	TRANSMIT OVERHEAD SETUP SETUP [TRACE MESSAGES]
Receiving Trace Messages	RECEIVE OVERHEAD MONITOR MONITOR [TRACE]
Setting Signal Labels	TRANSMIT OVERHEAD SETUP SETUP [LABEL]
Receiving Signal Labels	RECEIVE OVERHEAD MONITOR MONITOR [LABEL]
Setting Synchronization Status Messages	TRANSMIT OVERHEAD SETUP SETUP [LABEL] S1 SYNC STATUS
Receiving Synchronization Status Messages	RECEIVE OVERHEAD MONITOR MONITOR [LABEL]
Generating Overhead Sequences	TRANSMIT TEST FUNCTION TEST FUNCTION [SDH/SONET] [SEQUENCE]
Using Receive Overhead Capture	RECEIVE TEST FUNCTION TEST FUNCTION [SDH/SONET] [O/H CAPTURE]
Setting TCM APId Messages	TRANSMIT [SDH] OVERHEAD SETUP SETUP [TCM MESSAGE]

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Selecting and Using Signal Features

Adding Frequency Offset to the SDH/SONET Signal	TRANSMIT	MAIN SETTINGS → CLOCK [INTERNAL or EXTERNAL] FREQUENCY OFFSET [ON]
Adding Errors & Alarms at the SDH/SONET Interface	TRANSMIT	TEST FUNCTION → TEST FUNCTION [SDH/SONET] [ERR & ALARM]
Adding Errors in the test pattern	TRANSMIT	TEST FUNCTION → TEST FUNCTION [PDH PAYLD]
Adding Pointer Adjustments	TRANSMIT	TEST FUNCTION → TEST FUNCTION [SDH/SONET] [ADJUST PTR]
Using Pointer Graph Test Function	RECEIVE	TEST FUNCTION → TEST FUNCTION [SDH/SONET] [PTR GRAPH]
Generating Automatic Protection Switch (APS) Messages	TRANSMIT	TEST FUNCTION → TEST FUNCTION [SDH/SONET] [APS MESSAGES]
Monitoring Automatic Protection Switch (APS) Messages	RECEIVE	OVERHEAD MONITOR → MONITOR [APS MESSAGES]
Inserting Data Communications Channel	TRANSMIT	TEST FUNCTION → TEST FUNCTION [SDH/SONET] [DCC INSERT]
Dropping Data Communications Channel	RECEIVE	TEST FUNCTION → TEST FUNCTION [SDH/SONET] [DCC DROP]

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Making Measurements

Transmitting Overhead BER Test Function	TRANSMIT, TEST FUNCTION — TEST FUNCTION [SDH/SONET] [OVERHEAD BER]
Receiving Overhead BER Test Function	RECEIVE, TEST FUNCTION — TEST FUNCTION [SDH/SONET] [OVERHEAD BER]
Test Timing	RESULTS — RESULTS [TIMING CONTROL]
Viewing SDH/SONET Analysis Results	RESULTS — RESULTS [SDH/SONET RESULTS] [ERROR ANALYSIS]
Viewing Payload Analysis Results	RESULTS — RESULTS [PDH PAYLOAD] [ERROR ANALYSIS]
Measuring Frequency	RESULTS — RESULTS [SDH/SONET] [FREQUENCY]
Measuring Optical Power	RESULTS — RESULTS [SDH/SONET] [OPTICAL POWER]
Result Summary	RESULTS — RESULTS [SDH/SONET] [ERROR SUMMARY]
Trouble Scan	RESULTS — RESULTS [TROUBLE SCAN]
Performing a SDH/SONET Tributary Scan	RESULTS — RESULTS [SDH/SONET TRIBSCAN]
Performing a SDH/SONET Alarm Scan	RESULTS — RESULTS [SDH/SONET ALM SCAN]

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Storing, Logging and Printing

Enabling Graphics Results Capture	RESULTS [TIMING CONTROL] GRAPH STORAGE [resolution as required]
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 FUNCTION [LOGGING] LOGGING SETUP [DEVICE]
Logging Results	OTHER FUNCTION [LOGGING] LOGGING SETUP [CONTROL]
Logging Results to Centronics Printer	OTHER FUNCTION [LOGGING] LOGGING SETUP [DEVICE] LOGGING PORT [PARALLEL]
Logging Results to GP-IB Printer	OTHER FUNCTION [LOGGING] LOGGING SETUP [DEVICE] LOGGING PORT [GPIB]
Logging Results to Internal Printer	OTHER FUNCTION [LOGGING] LOGGING SETUP [DEVICE] LOGGING PORT [INTERNAL]
Logging Results to RS-232-C Printer	OTHER FUNCTION [LOGGING] LOGGING SETUP [DEVICE] LOGGING PORT [RS232]

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Using Instrument and Disk Storage

Storing Configurations in Instrument Store	OTHER FUNCTION [STORED SETTINGS]
Storing Current Configurations on Disk	OTHER FUNCTION [FLOPPY DISK]
Setting up a Title for Configurations in Instrument Store	OTHER FUNCTION [STORED SETTINGS]
Recalling Configurations from Instrument Store	OTHER FUNCTION [STORED SETTINGS]
Formatting a Disk	OTHER FUNCTION [FLOPPY DISK] DISK OPERATION [DISK] [FORMAT]
Labeling a Disk	OTHER FUNCTION [FLOPPY DISK] DISK OPERATION [DISK] [LABEL]
Managing Files and Directories on Disk	OTHER FUNCTION [FLOPPY DISK] DISK OPERATION [FILE]
Adding Descriptors to Disk Files	OTHER FUNCTION [FLOPPY DISK] DISK OPERATION [DISK]
Saving Graphics Results to Disk	RESULTS [TIMING CONTROL] GRAPH STORAGE [DISK]
Saving Data Logging to Disk	OTHER FUNCTION [FLOPPY DISK] DISK OPERATION [SAVE]
Recalling Configuration from Disk	OTHER FUNCTION [FLOPPY DISK] DISK OPERATION [RECALL] FILE TYPE [CONFIGURATION]

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Using Instrument and Disk Storage (cont'd)

Recalling Graphics Results from Disk	OTHER FUNCTION [FLOPPY DISK] DISK OPERATION [RECALL]FILE TYPE [GRAPHICS]
Copying Configuration from Instrument Store to Disk	OTHER FUNCTION [FLOPPY DISK] DISK OPERATION [FILE] [COPY] [FROM:] [CONFIGURATION]
Copying Configuration from Disk to Instrument Store	OTHER FUNCTION [FLOPPY DISK] DISK OPERATION [FILE] [COPY] [TO:] [CONFIGURATION]
Copying Graphics Results from Instrument Store to Disk	OTHER FUNCTION [FLOPPY DISK] DISK OPERATION [FILE] [FROM:] [GRAPHICS]
Deleting a File on Disk	OTHER FUNCTION [FLOPPY DISK] DISK OPERATION [FILE] [DELETE] [DELETE FILE] NAME [<select>]
Deleting a Directory on Disk	OTHER FUNCTION [FLOPPY DISK DISK OPERATION [FILE] [DELETE] [DELETE DIRECTORY]
Renaming a File on Disk	OTHER FUNCTION [FLOPPY DISK] DISK OPERATION [FILE] [RENAME]
Creating a Directory on Disk	OTHER FUNCTION [FLOPPY DISK] DISK OPERATION [FILE] [CREATE DIRECTORY]

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Selecting and Using “Other” Features

Coupling Transmit & Receive Settings	OTHER FUNCTION [SETTINGS CONTROL] TRANSMITTER AND RECEIVER [COUPLED]
Suspending Test on Signal Loss	OTHER FUNCTION [MISCELLANEOUS] SUSPEND TEST ON SIGNAL LOSS [ON]
MS-REI, MS-AIS, or REI-L, AIS-L Results Enable	OTHER FUNCTION [MISCELLANEOUS] MS-REI, MS-AIS, REI-L, AIS-L RESULT ENABLE
Setting Time & Date	OTHER FUNCTION [TIME & DATE]
Enabling Keyboard Lock	OTHER FUNCTION [MISCELLANEOUS] KEYBOARD LOCK [ON]
Enabling Beep on Received Error	OTHER FUNCTION [MISCELLANEOUS] BEEP ON RECEIVED ERROR [ON]
Setting Error Threshold Indication	OTHER FUNCTION [COLOR CONTROL]
Dumping Display to Disk	OTHER FUNCTION [LOGGING] LOGGING SETUP [CONTROL] LOG ON DEMAND [SCREEN DUMP]
Setting Screen Brightness and Color	OTHER FUNCTION [COLOR CONTROL]
Running Self Test	OTHER FUNCTION [SELF TEST]

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