Appendix F: Example Disk Contents

This manual ships with a disk containing files that you can load into your CTS850. The files are PC programs and examples of instrument setups, test results and pass/fail tests. The files contained on the disk are described in the following paragraphs.

CTSVIEW Print Capture Program

CTSVIEW.EXE, in directory CTSVIEW on the Example Disk, is a PC program that captures CTS printer output over an RS 232 serial link connection. This program displays the output and, optionally, writes it to a file.

This program is a DOS executable file that can run under Windows 3.1 or Windows 95. The program requires VGA display and a mouse. Typing **ctsview   ?** at the command line displays a list of options.

The text file CTSVIEW.TXT in the CTSVIEW directory contains full instructions on its use.

To use this program, the user must connect the CTS printer (RS 232) port to a PC serial port with a null modem cable and set the CTS to print in "Thinkjet" (graphics) or "ASCII Text" format. The program waits for input and displays the input as text or graphics.

After viewing the input, the user can save graphical data to a file in .BMP, .EPS or Interleaf format, or ASCII data to a standard PC text file.

Note: CTSVIEW expects to run in VGA full screen mode. While Windows 95 can emulate DOS graphics in a window, the performance is slow and will not keep up with the incoming serial data. It is recommended to transfer data in full screen mode. Use the keys ALT and Enter to switch between full screen and Windows display, or use the command line   **w** option to prevent displaying graphics output while reading data.

CTSHIST   Results History File Reader Program

CTSHIST.EXE, in directory CTSHIST on the Example Disk, reads the test history files written by a CTS "Save Results" operation and writes an ASCII text file containing the data.

This program is a DOS executable file that can run under Windows 3.1 or Windows 95. It is run from a DOS command prompt and takes its arguments and option settings from the command line. Typing **ctshist   ?** at the command line displays a list of options.

The text file CTSHIST.TXT in the CTSHIST directory contains full instructions on its use.

Instrument Setups

The STRESS file is an instrument setup file. The file sets up the CTS850 to generate an STM-1E signal that contains alarms, errors and pointer movements. The STRESS file is an example of how the CTS850 can save you time by storing instrument setups on disk for later recall.

Test Results

There are three test results file on the the Examples diskette. They are: Oneday.res; 15min.res; and, 1min.res. These files contain one day (24 hours); 15 minutes; and, 1 minute of test results. Recall the files from the RECALL RESULTS page of the RESULTS menu. You can view the test results on the MAIN RESULTS and ERROR ANALYSIS pages of the RESULTS menu. You can view a graph of the test results on the HISTORY GRAPHS page of the RESULTS menu (The relevant files are Oneday.his; 15min.his; and, 1min.his. The HISTORY GRAPHS page shows when alarms, errors and pointer movements occurred.

Pass/Fail Tests

The DEMO_10S file is a pass/fail test that runs for just 10 seconds. To make the test fail, press the INSERT ERROR button on the front panel. To run the test, connect an electrical cable between the TRANSMIT and RECEIVE connectors on the front panel and then recall the test from the RECALL PASS/FAIL TESTS page of the TEST SETUPS menu. You can see how the test was set up by viewing the test parameters on the SAVE PASS/FAIL TESTS page of the TEST SETUPS menu after you recall the test.

The BER_STM1 file is a 15-minute BER test. The test passes if the BER is better than 10E 7. To run the test, connect an electrical cable between the TRANSMIT and RECEIVE connectors on the front panel and then recall the test from the RECALL PASS/FAIL TESTS page of the TEST SETUPS menu. You can see how the test was set up by viewing the test parameters on the SAVE PASS/FAIL TESTS page of the TEST SETUPS menu after you recall the test.

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