BT-1

Bit Error Rate Tester



FEATURES

- **Compact hand held unit**
- **Metal bail for bench top use (shown above)**
- **Sync and async operation**
- **Async speeds to 38.4, sync to 64 Kbps**
- **Bit and block testing**
- **Polling for up to 16 drops**
- **Continuous and timed tests**
- **Timing tests for RTS/CTS delay , round tip delay and many more timing and counting functions**
- **Best price/performance ratio**

DESCRIPTION

The DCB BT-1 Bit Error Rate tester is designed with features found in no other BERT tester in its price range. These functions include handling input and output flow control, both hardware and software flow control. Timing tests include RTS/CTS delay, character counting, round trip delay times, bit gain and bit loss testing, counting the number of control lead transitions, the order of control lead transitions, high or low status of input leads, etc.

Polling tests can be sync or async. A BT-1 can be set as a master, with up to 16 slave BT-1's. The polling tests provide control over timeouts, retries and block size.

Tests can be run continuously, for times ranging from 10 seconds to 15 minutes, or can be stopped on a receive error. In short, there is not another test set in its price range that provides the comprehensive range of tests for the price of the BT-1. All this and portability, too.

Setting up the BT-1 is easy with the 16 key keypad. Test parameters are set with the “set parm” key, tests are selected with the “set test” key. It is easy to navigate the LCD screen with right, left, up and down arrows. You can start, stop and pause tests.

The BT-1 is an invaluable bench test or field testing tool. Time and again it has been invaluable in locating problems in polling systems, multiplexer systems, wireless systems, and more. Unlike a pc, the BT-1 is lightweight, very portable, very flexible, and comprehensive in its test capabilities. The test menus available in the BT-1 are the result of years of hands on experience tightly coupled between the day to day test bench personnel using the product and the BT-1 software design team. At DCB, when a new test is needed for a new product or unique problem, it is immediately incorporated into the test menu and is exercised on a daily basis. If there was ever a test found to be useful and one that the BT-1 is capable of exercising, it has been incorporated into the BT-1.

DCB BT-1 Bit Error Rate Tester

SPECIFICATIONS

General
RS-232/V.24 interface
Async to 38.4 Kbps, sync rate to 64 Kbps
A 2' long DB-25 female to DB-25 male/female cable is included

Controls and Indicators
32 character LCD display (16 characters per line by 2 lines)
16 key keypad

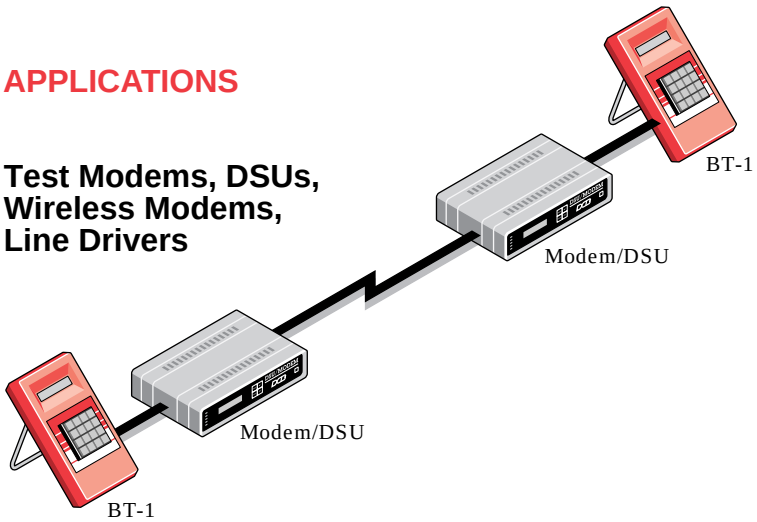
Physical/Electrical
Power requirements: 120 VAC, wall mount power supply
60 Hz, 6 Watts
4" x 1 1/4" x 7"
One pound

One year parts and labor warranty

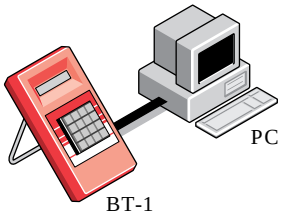
Test Controls
Set Parameters: Speed, word length, parity, test duration, Xon/Xoff values, RTS hold-off before data block is sent and holdover after data block is sent
Set Tests: Async bert, sync bert, polling, timing tests
Bert test pattern duty cycle: Once, continuous, 25%, 50%, 100%
Bert flow control: Xon/Xoff, CTS, inverted CTS, Busy flow and frequency
Bert patterns: QBF, QBF with block number, printable characters, all 256 hex values, 63, 511, 2047 pattern
Polling parameters: Master, slave, drop number, timeout, retry count, delay before responding to poll, number of sync characters, message length sent
Timing tests: RTS/CTS delay, round trip delay, character count, bit slip or gain, control lead on/off order, lead on/off transition count, modem or bit rate measurement, time from flow off or on until data stops or resumes, send short or long break, send alternate mark/space.

APPLICATIONS

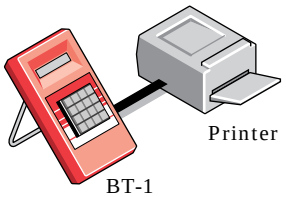
Test Modems, DSUs, Wireless Modems, Line Drivers



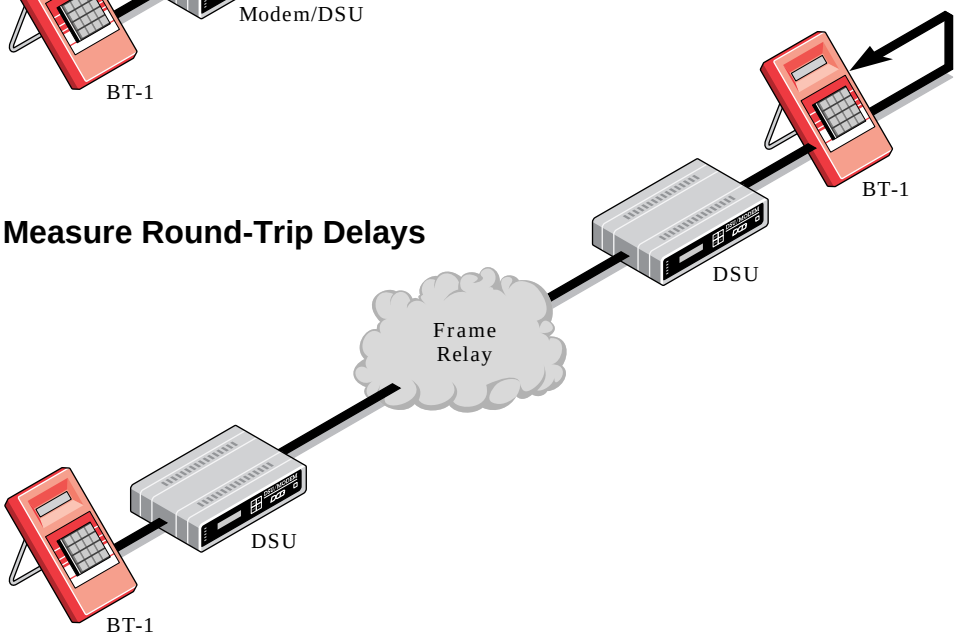
Test Terminals / PCs



Test Printers



Measure Round-Trip Delays



Data Comm for Business, Inc.
807 Pioneer
Champaign, IL 61820
Voice 217.352.3207
800.4DCBNET
(800.432.2638)
Fax 217.352.0350
Email info@dcbnet.com
Web http://www.dcbnet.com