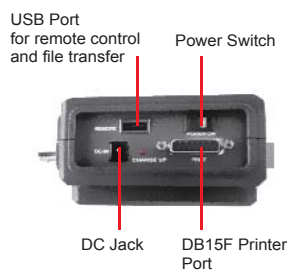
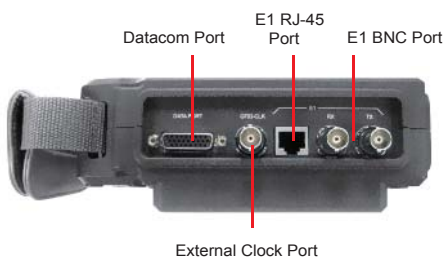




The HCT-BERT/C analyzer is a compact, color-LCD, graphic-user-interface, single hand E1 PCM measuring instrument designed for field use in analysis and maintenance of data communications (V.35, RS530, X.21, RS232) and E1 (2.048Mbps) lines. The HCT-BERT/C performs framed, unframed, signaling analysis, drop and insert Nx64Kbps, or nx56Kbps data into any time slot. The HCT-BERT/C analyzer also provides a variety of E1 line statuses, transmission performance testing (BERT) and monitoring. On the E1 line, the HCT-BERT/C may be used as a generator or receiver.

Features

- Color LCD display graphic mode
- USB port for remote control
- Results Report
- Support G.821/826, M.2100 BERT analysis
- Sa bits setup and monitor
- Internal Memory storage of test result; Direct display on LCD screen
- Print out via Parallel Printer port
- Portable for field use
- Upgradeable for advanced features
- Rechargeable battery with battery low indicator
- Supports CRV & BPV performance analysis
- Datacom BERT analysis available for V.35/ V.24/RS-232/449/530/ X.21



Ordering Information

HCT-BERT/C E1 & Datacom analyzer

E1/T1/Datacom BER Tester with Color LCD HCT-BERT/C

E1 interface

- 1). E1 Receiving Interface
 - Line code: HDB3/AMI
 - Pulse feature: ITU G.703
 - Dithering tolerance: ITU G.823
 - Input port: BNC (non-balance), RJ45 (balance)
 - Input mode: Impedance: 75ohm (unbalance), 120ohm (balance)
 - Bridging mode: Impedance > 1000 ohm
- 2). E1 Transmission Interface
 - Line code: HDB3/AMI
 - Pulse feature: ITU G.703
 - Pulse amplitude: Nominal 2.37V for BNC 75 ohm
Nominal 3.00V for RJ45 120 ohm
 - Zero amplitude: 0.1 V at max
 - Dithering tolerance: ITU G.823
 - Output port model: BNC (non-balance), RJ45 (balance)
 - Source of clock transmission:
 - Internal clock: 2.048 MHz 50ppm, 100ppm.
 - External clock: take clock from external clock interface
 - Resume clock: take clock from receiving terminal
- 3). E1 Frame Format
 - PCM31, PCM31+CRC, PCM30, PCM30+CRC
 - Non-framing mode, Automatic detection

Error Rate Test (BERT Test)

- 1). BERT Pattern (Patterns)
 - 511, 2047, 2E15-1, 2E15-1 (reverse), 2E20-1, 2E20-1 (reverse), QRSS, 2E23-1, 2E23-1 (reverse), all 1, all 0, alternate, 1100, 3 IN 24, 1 IN 16, 1 IN 8, 1 IN 4, User programming 1/2/3
- 2). BERT Display Format
 - Error counting, Alarm counting, ITU G.821, ITU G.826
 - M.2100, Histogram
- 3). BERT Transmission Error Rate
 - Insert one error compulsorily
 - Apply an error rate of 10-3-10-7 compulsorily
- 4). Quality Analysis:
 - Receiving seconds, Error seconds, Alarm seconds
 - Free-of-error seconds, Error rate, Valid seconds
 - Serious error seconds, G.821 error seconds
 - G.826 error seconds, Invalid seconds
- 5). Data Port BEST Test
 - Data rate of the multiple of 64Kbps: N*64Kbps (N=1~36)

Other Functions

- 1). Color Display Screen: Character/graphic mode
- 2). Test Results Report
 - 100 pieces of test results at max available in storage
 - Direct display on LCD screen
 - Print via printer port available
- 3). Modular Design for Easy Update

Indications

LEDs (DTE, DCE, DATA PORT, TD, RD, DCD, RTS, CTS, DTR, DSR, TC, RC XTC)

Power Input

AC230V adapter to DC 9V 2A

Dimension

134 x 179 x 68mm (W x D x H)

Weight

800g

Temperature

0°C ~ 50°C (Operating), -10°C ~ 70°C (Storage)

Humidity

10~90% non-condensing

MTBF

35,000 hrs (25°C)