

HCT-6000/6000A BERT/Protocol Analyzer

The **HCT-6000** is a portable, battery powered communication tester, designed for a wide range of protocol analysis up to 128bps and BERT (Bit Error Rate Tester) at full T1 (1.544Mbps) or E1 (2.048Mbps) speeds and is fully suitable for equipment installations, on-line or off-line diagnostics, debugging, and interface development.

The **HCT-6000** features a backlit Liquid Crystal Display (LCD), tactile membrane switch keyboard, interface lead indicator LEDs, and internal rechargeable batteries. The unit includes a full assortment of interface adapter cables, comprehensive User Guide, AC power adapter (100 to 240VAC) and a sturdy zippered nylon carry case.

The **HCT-6000A** has the same features as the **HCT-6000** with the exception of 2M BERT.



Specifications for HCT6000 Series

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|---------------------------|---|-------------------|--|
| ● Basic Interfaces | RS-232C/D(V.24), RS-449(V.36), RS-530, X.21,V.35
Centronics Printer port
Remote control port (RS-232 async) | ● Status LEDs | Leads: TD, RD, RTS, CTS, DSR, DTR, DCD, TC, RC, XTC (both SPACE and MARK)
Interface: RS-232, V.35, RS-530/449, X.21
Emulation: DTE or DCE
External power: external adapter in use
Sync Loss
Battery low |
| ● Protocols | ASYNC, SYNC(BSC), HDLC, SDLC, X.25, DDCMP | ● LCD Display | I/F power: DC9V out RS-232 I/F pin 9 is on 8 lines, 32 characters per line, with backlight and contrast controls. |
| ● Optional | Frame Relay, SNA, PPP, SLIP | ● Capture Buffer | 512KB static ram, battery backed up. |
| ● Data Rate | ASYNC:50-115,200bps
SYNC:150-128,000bps | ● Line Monitor | DTE; DCE; DTE & DCE |
| ● Data Code | ASCII, EBCDIC, HEX, IPARS, TRANSCODE, EBCD | ● Emulation | DTE; DCE; MONITOR only |
| ● Data Length | ASYNC Mode: 5,6,7, or 8 bits
SYNC Mode: 8 bits | ● BERT Patterns | 63, 511, 2047, FOX (ASCII), SPACE, MARK, ALT |
| ● Parity Bit | ASYNC Mode: None, Odd, Even | ● BERT Speed | 2Mbps (except HCT-6000A)
128Kbps |
| ● Stop Bits | ASYNC Mode: 1, 1 1/2, 2 | ● Counters&Timers | 5 each internal counters and timers. |
| ● Display Modes | LSB or Inverted | ● Power Source | 100~240AC adapter to DC 12V 600mA |
| ● Display Modes | Normal or Inverted
Data only: Full Duplex
Data only: Half Duplex
Data and Lead Status
Frame and Packet. | ● Dimension | 237(L) x 173(W) x 37(H) mm |
| ● Error Check | None, Parity, LRC, CRC-16, CRC-CCITT. | ● Weight | approximately 1.1 Kg net |
| | | ● Temperature | 0-50°C (32-125°F) |
| | | ● Humidity | up to 90% RH non-condensing |

Application

