

# DTA-BERT Series

## E1/Datacom Transmission Analyzer

- ◆ Loop back code setting and detection:  
In/Out band & ITU-T V.54 BERT  
histogram analysis
- ◆ DSO control loop codes (Optional):  
TIP/LSC/LBE/FEV (BERT/C, E1)
- ◆ Large TFT color LCD display:  
320x240 (32 Characters x8 Lines,  
text/graphic mode)
- ◆ Internal memory for test data storage
- ◆ Test report
- ◆ Print via Parallel/RS-232 port  
(Optional)
- ◆ Upgradeable for advanced features
- ◆ Portable for field application
- ◆ Rechargeable battery with low battery indicator



DTA-BERT E1/Datacom Transmission Analyzer performs E1 transmission performance test (BERT) and status monitoring on data link (V.35, V.24/RS232, RS449, RS530, X.21). Model T can also perform G.703-64K bit error test, PCM31/30 test, and Jitter test. Featuring comprehensive functions, easy operation and compact design, DTA-BERT provides total solutions for E1 line analysis and maintenance.

### Connectivity:

- ◆ E1: RJ45 (balanced), BNC (unbalanced)
- ◆ Data: DB26 (female)
- ◆ Clock: PCM
- ◆ Printing: DB15 (female)
- ◆ Control/Data Transfer: USB

## Specifications

| Model  | DTA-BERT/C        | DTA-BERT/E1        | DTA-BERT/T          |
|--|-------------------|--------------------|---------------------|
| Application  | E1+Datacom        | E1                 | E1+Jitter+G.703-64K |
| <b>Basic Function</b>                              |                   |                    |                     |
| E1   | ●                 | ●                  | ●                   |
| Datacom  | ●                 | -                  | -                   |
| G.703-64K  | -                 | -                  | ●                   |
| Jitter Test  | -                 | -                  | ●                   |
| G.703 Level  | -                 | -                  | ●                   |
| Pulse Shape  | -                 | -                  | ●                   |
| Dual E1 BER Online Monitoring & Time Slot Analysis | -                 | -                  | ●                   |
| Two-way Voice Monitoring Test                      | -                 | -                  | ●                   |
| PCM Emulation Test                                 | -                 | -                  | ●                   |
| <b>E1</b>  | <b>DTA-BERT/C</b> | <b>DTA-BERT/E1</b> | <b>DTA-BERT/T</b>   |
| 75Ω & 120Ω Interface                               | ●                 | ●                  | ●                   |
| Line Code Type: AMI, HDB3                          | ●                 | ●                  | ●                   |
| Out of Service/ In-Service                         | ●                 | ●                  | ●                   |
| Through Mode                                       | -                 | -                  | ●                   |
| N × 64K BERT                                       | ●                 | ●                  | ●                   |
| Variety of Error Insertion                         | ●                 | ●                  | ●                   |
| Variety of Alarm Insertion                         | -                 | -                  | ●                   |
| Timeslot Contents & Activity Monitoring            | -                 | -                  | ●                   |
| PRBS, Fixed & User-defined Test Patterns           | ● (32bit)         | ● (32bit)          | ● (32bit)           |
| Clock Source:                                      |                   |                    |                     |
| Internal/Recovery/External                         | ●                 | ●                  | ●                   |
| External Clock                                     | ●                 | ●                  | ●                   |
| Round Trip Delay Measurement                       | ●                 | ●                  | ●                   |
| Internal Offset Clock                              | ●                 | ●                  | ●                   |
| Frequency Offset Measurement                       | ●                 | ●                  | ●                   |
| Audio/ DTMF Insertion                              | -                 | -                  | ●                   |
| <b>Datacom</b>                                     | <b>DTA-BERT/C</b> | <b>DTA-BERT/E1</b> | <b>DTA-BERT/T</b>   |
| DTE/DCE  | ●                 | -                  | -                   |
| V, X, RS, EIA Datacom                              | ●                 | -                  | -                   |
| V.24/RS232 (Synchronous and Asynchronous)          | ●                 | -                  | -                   |

|   |                   |                    |                   |
|---|-------------------|--------------------|-------------------|
| Optional Data Clock Edge Trigger                | ●                 | -                  | -                 |
| DATA BERT                                       | ●                 | -                  | -                 |
| Datacom RTD                                     | ●                 | -                  | -                 |
| <b>G.703-64K</b>                                | <b>DTA-BERT/C</b> | <b>DTA-BERT/E1</b> | <b>DTA-BERT/T</b> |
| G.703-64K BERT                                  | -                 | -                  | ●                 |
| Receiving Bit-rate Test                         | -                 | -                  | ●                 |
| Alarm Detection                                 | -                 | -                  | ●                 |
| <b>PCM Emulation</b>                            | <b>DTA-BERT/C</b> | <b>DTA-BERT/E1</b> | <b>DTA-BERT/T</b> |
| Emulate PCM Client Insert Alarm                 | -                 | -                  | ●                 |
| Insert Idle Code (Definable)                    | -                 | -                  | ●                 |
| Send CAS, CCS (Definable)                       | ●                 | ●                  | ●                 |
| 64k Voice Channel Monitoring                    | -                 | -                  | ●                 |
| Single Audio Signal/ DTMF Insertion             | -                 | -                  | ●                 |
| Emulate PCM Client Insert Alarm                 | -                 | -                  | ●                 |
| Insert Idle Code (Definable)                    | -                 | -                  | ●                 |
| <b>Other Features</b>                           | <b>DTA-BERT/C</b> | <b>DTA-BERT/E1</b> | <b>DTA-BERT/T</b> |
| Analysis per G.821, G.826 & M.2100              | ●                 | ●                  | ●                 |
| Auto Configuration                              | ●                 | ●                  | ●                 |
| IP PING   | ●                 | -                  | ●                 |
| Result Zeroing                                  | ●                 | ●                  | ●                 |
| Time Test                                       | ●                 | ●                  | ●                 |
| Self test, Audio, LED Alarm & Status Indication | ●                 | ●                  | ●                 |
| Earphones                                       | -                 | -                  | ●                 |
| Printing  | ●                 | ●                  | ●                 |
| Weight  | 0.8Kg             |                    |                   |
| Dimensions (H x W x T)                          | 180x135x70mm      |                    |                   |

**Note :** ● Available, - Not Available

\* Specifications subject to change without notice

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