

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:
320×240 (32 Characters ×8 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 can perform 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
Basic Function			
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	-	-	●
E1	DTA-BERT/C	DTA-BERT/E1	DTA-BERT/T
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	-	-	●
Datacom	DTA-BERT/C	DTA-BERT/E1	DTA-BERT/T
DTE/DCE	●	-	-
V, X, RS, EIA Datacom	●	-	-
V.24/RS232 (Synchronous and Asynchronous)	●	-	-

Optional Data Clock Edge Trigger	•	-	-
DATA BERT	•	-	-
Datacom RTD	•	-	-
G.703-64K	DTA-BERT/C	DTA-BERT/E1	DTA-BERT/T
G.703-64K BERT	-	-	•
Receiving Bit-rate Test	-	-	•
Alarm Detection	-	-	•
PCM Emulation	DTA-BERT/C	DTA-BERT/E1	DTA-BERT/T
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)	-	-	•
Other Features	DTA-BERT/C	DTA-BERT/E1	DTA-BERT/T
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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