

# DTA-BERT Series E1/Datacom Transmission Analyser

## Product Overview

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



## Features

- Loopback 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 colour LCD: 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

## 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
<b>Application</b>	<b>E1 + Datacom</b>	<b>E1</b>	<b>E1 + Jitter + G.703-64K</b>
<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	(32-bit)	(32-bit)	(32-bit)
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/EI</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/EI</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/EI</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/EI</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		

Available -Unavailable

