

DTA-BERT Series

E1/Datacom Transmission Analyzer

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.



Features

- ◆ 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
- ◆ Data transfer via USB
- ◆ 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/T	DTA-BERT/C	DTA-BERT/E1	Model	DTA-BERT/T	DTA-BERT/C	DTA-BERT/E1
Basic Function				G.703-64K			
E1	*	*	*	G.703-64K BERT	*	-	-
DATAKOM	-	*	-	Receiving Bit-rate Test	*	-	-
G.703-64K	*	-	-	Alarm Detection	*	-	-
Jitter Test	*	-	-	DATAKOM			
G.703 Level	*	-	-	DTE/DCE	-	*	-
Pulse Shape	*	-	-	V, X, RS, EIA DATAKOM	-	*	-
Dual E1 BER Online Monitoring & Time Slot Analysis	*	-	-	V.24/RS232	-	*	-
Two-way Voice Monitoring Test	*	-	-	(Synchronous and Asynchronous)	-	*	-
PCM Emulation Test	*	-	-	Optional Data Clock Edge Trigger	-	*	-
E1				DATA BERT	-	*	-
75 Ω & 120 Ω Interface	*	*	*	DATAKOM RTD	-	*	-
Line Code Type: AMI, HDB3	*	*	*	PCM Emulation			
Out of Service / In-Service	*	*	*	Emulate PCM Client Insert Alarm	*	-	-
Through Mode	*	-	-	Insert Idle Code (Definable)	*	-	-
N x 64K BERT	*	*	*	Send CAS, CCS (Definable)	*	-	-
Variety of Error Insertion	*	*	*	64k Voice Channel Monitoring	*	-	-
Variety of Alarm Insertion	*	-	-	Single Audio Signal / DTMF Insertion	*	-	-
Timeslot Contents & Activity Monitoring	*	-	-	Other Features			
PRBS, Fixed & User-defined	*	-	-	Analysis per G.821, G.826 & M.2100	*	*	*
Test Patterns	*(32bit)	*(32bit)	*(32bit)	Auto Configuration	*	*	*
Clock Source:				IP PING	*	*	-
Internal/Recovery/External	*	*	*	Result Zeroing	*	*	*
External Clock	*	*	*	Time Test	*	*	*
Round Trip Delay Measurement	*	*	*	Self Test, Audio, LED Alarm & Status Indication	*	*	*
Internal Offset Clock	*	*	*	Earphones	*	-	-
Frequency Offset Measurement	*	*	*	Printing	*	*	*
Audio / DTMF Insertion	*	-	-	Weight	0.8Kg		
				Dimensions (H×W×T)	180×135×70mm		

Note: "*" : Available, "-" : Not Available