



BER-1580

Data Transmission Analyzer

DADI Telecom

Professional Communication Tester Manufacturer from China



BER-1580 Data Transmission Analyzer, the latest tester developed by DADI Telecom, is an expert tool for daily maintenance, troubleshooting and equipment installation, especially for E1 circuits and frame relay services of important applications. It can be for E1 in-service monitoring as well as BER testing from 50b/s to 2048kb/s with supported interfaces like G.703, V.24/RS232, V.35, V.36/RS449, X.21, EIA-530/530A and RS485/RS422. It also supports E1 jitter TX/RX testing, E1 synchronous clock testing and frame relay testing.

BER-1580 is configured with large screen color TFT LCD with backlight and built-in rechargeable Li-ion battery for 8 hours operation without external power supply. BER-1580 also supports RJ45 network interface and complete TCP/IP protocol with online upgrading.

□ Functions

- G.703 E1 testing
 - Out of service testing and in-service monitoring
 - Dual E1 in-service monitoring
 - Alarm generation and error insertion
 - Performance analysis according to ITU-T recommendation
 - Pattern slips analysis
 - Clock slips analysis
 - Clock frequency offset testing
 - Nx64K testing
 - Frame setting and analysis
 - PCM, time slot detection
 - Time slot data display
 - Histogram display
 - Voice monitoring
 - Auto testing
- Round trip delay testing
- APS, service disruption testing
- Voice and frequency testing
- Pulse mask measurement
- E1 jitter Rx/Tx testing (optional)
- E1 synchronous clock testing (optional)



- PING testing
 - IP address setting
 - Ethernet connectivity testing
- V series interfaces testing
 - V.24/RS232, V.35, V.36/RS449, X.21, EIA-530/530A and RS485/RS422 interface BER testing
 - Performance analysis according to ITU-T recommendation
- Frame relay testing (optional)
 - Support E1 and V.35 port
 - Support PPP/HDLC protocol
- G.703 T1 testing (optional)

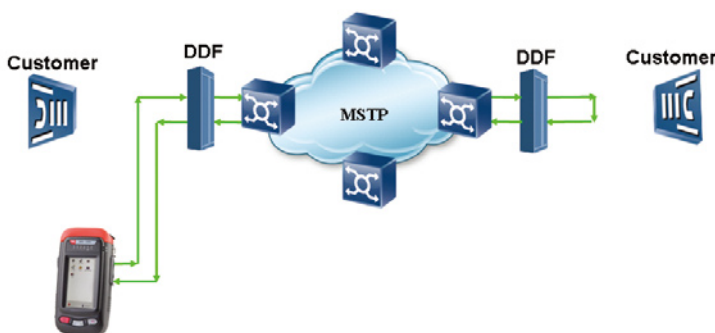


□ Features

- Color TFT LCD with touch screen
- Dual E1 testing
- E1 synchronous clock input and output
- E1 clock jitter Rx/Tx testing
- E1 PING testing
- Frame relay testing
- Perform the remote control set through Ethernet
- Large capacity Li-ion battery guarantees 8 hours operation
- Large capacity data storage, 10000 records

□ Applications

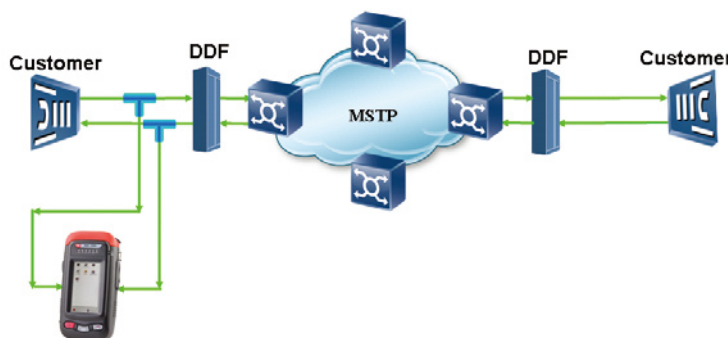
Remote loopback testing



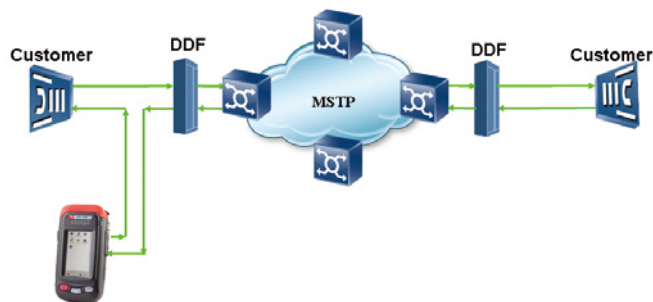
End-to-end testing



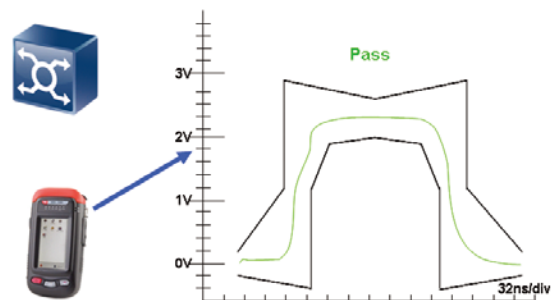
In-service monitoring



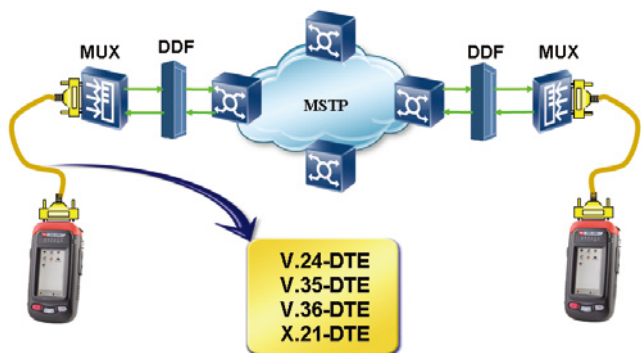
Pass through mode



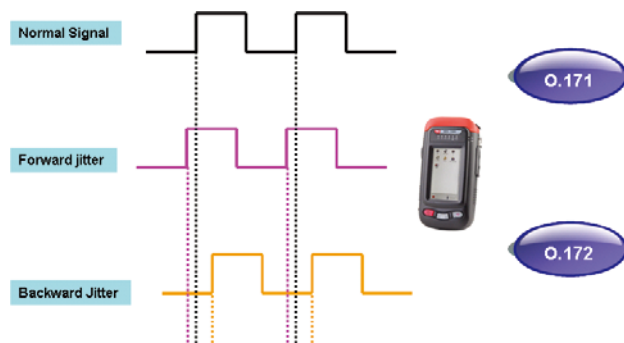
E1 pulse mask



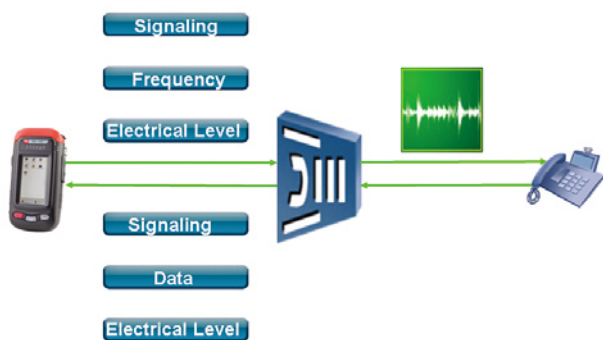
V series interfaces testing



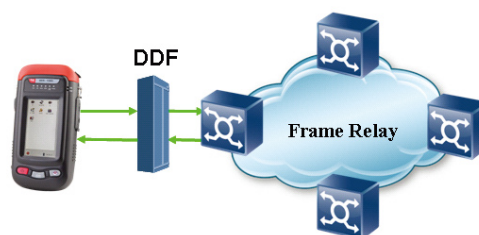
Jitter testing



Voice and frequency testing



Frame relay testing



□ Specifications

General

Size	210×110×60mm
Weight	1.2kg
Display	4.3" TFT LCD, touch screen, 480x272
Operation mode	Touch screen
Interface	RJ45, USB, DC power
Battery	Rechargeable Li-ion battery, 4400mAh
Operation time	8 hours
Operation temperature	0°C to 50°C
Storage temperature	-20°C to 70°C
Operation humidity	10% to 90%
Storage humidity	5% to 95%
Data storage	10000 records

Testing

Internal clock	2048KHz±10ppm
Signal code	HDB3 / AMI
Signal interface	ITU-T G.703
Test pattern	PRBS 2n-1(n=6, 9, 11, 15, 20, 23)
Tx	L9 75Ω unbalanced, RJ48 120Ω balanced
Rx	L9 75Ω unbalanced / high impedance>2KΩ, RJ48 120Ω balanced / high impedance>2KΩ



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