BER-1560
Data Transmission Analyzer

DADI Telecom
Professional Communication Tester Manufacturer from China
BER-1560 Data Transmission Analyzer, is the necessary tool for daily maintenance and troubleshooting tasks. It fulfills E1 in-service monitoring as well as BER testing from 50b/s to 2048kb/s with supported interfaces of G.703, V.24/RS232, V.35, V.36/RS449, X.21, EIA-530/530A. Its characteristic remote monitoring function makes it ideal for users to easily perform real-time monitoring to the test unit through certain software under Windows environment.

BER-1560 is configured with large and backlight color TFT LCD. Built-in rechargeable Li-ion battery allows up to 8 hours field operation without external power supply. It supports RJ45 interface and complete TCP/IP protocols with online upgrade available.

### Functions

- **G.703 E1 testing**
  - Dual E1 in-service monitoring
  - Alarm generation and error insertion
  - E1 pulse mask
  - Voice and frequency measurement
  - Slip code testing
  - Performance analysis according to ITU-T recommendation

- **G.703 64K testing**
  - 64K out of service testing
  - Alarm generation and error insertion
  - Performance analysis according to ITU-T recommendation

- **V series interfaces testing**
  - V.24/RS232, V.35, V.36/RS449, EIA-530/530A, X.21 interface BER testing
  - Performance analysis according to ITU-T recommendation

- **PING testing**
  - IP address setting
  - Ethernet connectivity testing
Features

- Color TFT LCD
- Comprehensive E1 circuit testing
- Various errors insertion and detection, such as bit, Code, FAS, CRC
- Use PC to perform the remote control of the test set through Ethernet
- Large capacity Li-ion battery guarantees 8 hours operation
- Large data storage, 5000 records

Applications

Remote loopback testing

In-service monitoring

End-to-end testing

Pass through mode
Voice and frequency measurement

V series interfaces testing

E1 pulse mask

Ping testing

G.703 64K testing
## Specifications

<table>
<thead>
<tr>
<th>General</th>
<th>E1 Testing</th>
</tr>
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<tbody>
<tr>
<td><strong>Size</strong></td>
<td>190×108×50mm</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>1.2kg</td>
</tr>
<tr>
<td><strong>Display</strong></td>
<td>3.5&quot; TFT LCD, 320x240</td>
</tr>
<tr>
<td><strong>Operation mode</strong></td>
<td>Keyboard</td>
</tr>
<tr>
<td><strong>Interface</strong></td>
<td>RJ45, DC power</td>
</tr>
<tr>
<td><strong>Battery</strong></td>
<td>Rechargeable Li-ion battery, 5000mAh</td>
</tr>
<tr>
<td><strong>Operation time</strong></td>
<td>8 hours</td>
</tr>
<tr>
<td><strong>Operation temperature</strong></td>
<td>-10˚C to 50˚C</td>
</tr>
<tr>
<td><strong>Storage temperature</strong></td>
<td>-20˚C to 70˚C</td>
</tr>
<tr>
<td><strong>Operation humidity</strong></td>
<td>10% to 90%</td>
</tr>
<tr>
<td><strong>Storage humidity</strong></td>
<td>5% to 95%</td>
</tr>
<tr>
<td><strong>Data storage</strong></td>
<td>5000 records</td>
</tr>
<tr>
<td><strong>Internal clock</strong></td>
<td>2048KHz±10ppm</td>
</tr>
<tr>
<td><strong>Signal code</strong></td>
<td>HDB3 / AMI</td>
</tr>
<tr>
<td><strong>Signal interface</strong></td>
<td>ITU-T G.703</td>
</tr>
<tr>
<td><strong>Test pattern</strong></td>
<td>PRBS 2n-1 (n=6, 9, 11, 15, 20, 23)</td>
</tr>
<tr>
<td><strong>Tx</strong></td>
<td>BNC 75Ω unbalanced, RJ48 120Ω balanced</td>
</tr>
<tr>
<td><strong>Rx</strong></td>
<td>BNC 75Ω unbalanced / high impedance&gt;2KΩ, RJ48 120Ω balanced / high impedance&gt;2KΩ</td>
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</tbody>
</table>
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