FEATURES / BENEFITS
√ Interface - Supports sync/async RS-232, V.35, RS-530 and X.21
√ Data Rates -Up to 2.048Mbps
√ Provides a full external loopback at the terminal port of a DSU or modem
√ Visual indication of circuit operation
√ Line Powered
√ Compact and Easy To Install
√ Excellent tool for field technician or service organizations

DESCRIPTION

The Data Test Set (DTS) provides a means for a technician at a remote site to implement a full external loopback at the terminal port of a DSU or modem and to obtain visual indication of the circuit operation. The DTS has two physical DB-25 male connectors which support EIA-530, RS-232 (sync and async), and a variant of the V.35 interface standards. The DTS may be attached directly to the female DB-25 connector on a DSU or modem, or attached at the end of a cable. Only one connector on the DTS may be used at one time. The DTS is not intended to be used with DTE’s such as terminals or PCs.

Four light-emitting diode (LED) indicators provide a means for the technician to view the status of data, clock, and certain control signals from the DSU or modem. Indicators for clock and data provide status on the activity of the corresponding signal, while those four control signals provide status on the signal level.

The DTD performs a loopback between the following 4 DCE circuits on both connectors:

<table>
<thead>
<tr>
<th>DCE Output Circuit</th>
<th>DCE Input Circuit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Receive Data (RxD)</td>
<td>Transmit Data (TxD)</td>
</tr>
<tr>
<td>DCE Transmit Clock (TxC)</td>
<td>External (DTE) Transmit Clock (TxCE)</td>
</tr>
<tr>
<td>Data Set Ready (DSR)</td>
<td>Data Terminal Ready (DTR)</td>
</tr>
<tr>
<td>Data Carrier Detect (DCD)</td>
<td>Request to Send (RTS)</td>
</tr>
</tbody>
</table>

The four indicators on the DTS monitor the operation of the corresponding circuits from the DCE. In general, for synchronous DCE all indicators ON are indicative of a normally operating loopback circuit. For asynchronous modems, the status of the CLOCK indicator should be ignored.

The DTS has a three year warranty and is housed in a sturdy metal enclosure.
### Specifications

#### Application
Implement a full external loopback at the terminal port of a DSU or modem and to obtain visual indication of the circuit operation.

#### Capacity
One sync or async DCE(modem) at a time.

#### Interface
- RS-232, RS-530, V.35 and X.21
- **V.35 and X.21 may require adapter cable**

#### Data Rates
- RS-232 up to 128Kbps
- RS-530, V.35 and X.21 up to 2.048Mbps

#### Data Format
Data transparent at all data rates.

#### Switches
None

#### Physical Interface
- RS-232: Male DB-25
- V.35, RS-530 and X.21: Male DB-25

#### Power Source
Line Powered from existing equipment - Draws 8ma - No AC power required.

#### Indicators
DCD/RLSD, DSR, Data and Clock.

#### Environmental
- Operating Temperature....32º to 122º F (0º to 50º C)
- Relative Humidity..........5 to 95%
- Non-Condensing
- Altitude.......................0 to 10,000 feet

#### Dimensions
- Height ........ 0.50 inches (1.27 cm)
- Width ........ 1.75 inches (4.44 cm)
- Length ...... 4.00 inches (10.16 cm)

#### Weight
1/2 pound (0.228Kg)

#### Warranty
Three Years, Return To Factory

#### Ordering Information
- Part Number: 128000
- Model: DTS
- Description: Data Test Set

**INCLUDED WITH EACH UNIT:**
1) Installation Guide

For further detailed technical information on this product, contact East Coast Datacom Technical Assistance toll free at (800) 240-7948.

**OTHER EAST COAST DATACOM PRODUCTS**
- MODEM AND PORT SHARING DEVICES
- LINE DRIVERS
- SIGNAL REGENERATORS
- DATA BROADCAST UNITS
- ROUTER DELAY SIMULATOR

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**Included with Each Unit**
1) Installation Guide

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**Other East Coast Datacom Products**
- Modem and Port Sharing Devices
- Line Drivers
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- Data Broadcast Units
- Router Delay Simulator

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**Central Site Command Terminal**

**Central Site Modem**

**Remote Site Modem**

**DTS Data Test Set Loopback to Central Site Terminal**

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