TELESPEED 750
ECONOMICAL HIGH-SPEED TAPE-TO- TAPE EQUIPMENT
DELIVERS A DAY’S WORK IN MINUTES
Telespeed 750 is designed for economical transmission and reception of data at speeds of 75 characters per second (750 words per minute). It is capable of transmitting words some *five times faster than people can talk*. Thus, Telespeed 750 can be used as terminal equipment in a wide variety of data communications applications.

For instance, with Telespeed 750 equipment, a company warehouse can transmit its entire inventory of 7,000 items to the home office in minutes, using only 1/5 of a tape reel. The same list typed single-space in tabular form would be about 100 feet long and take hours to transmit manually.

**USED FOR DATA GATHERING AND DISTRIBUTION**

Telespeed 750 sets can be used for data transmission, reception, or in a point-to-point data exchange for both data gathering and distribution. Many Telespeed sending sets at outlying locations can be used to report data to one receiving unit. In this way, the Telespeed receiver serves as a collection center. The punched paper tape output of the receiving set can be converted by other Teletype equipment to page copy, or used in various computers and business machines.

The Telespeed sets will transmit the tape output of Teletype ASR (automatic send-receive) sets, self-contained paper tape punches, computers, and other business machines.

Telephone handsets can be added to Telespeed 750, providing normal voice communication that can be alternated with data transmission on the same telephone call. This combination of data and voice communications saves time and money on long distance calls.

**OPERATES ON MANY CODE LEVELS**

Telespeed 750 equipment is able to operate on any 5, 6, 7, or 8-level code. This includes the American Standard Code for Information Interchange (ASCII), which is the official language of many computers and other business machines.

Thus, Telespeed equipment may be used to exchange data with a central on-line computer. In some cases, such a computer can be equipped with automatic dialing and a signal generator, enabling it to automatically poll outlying Telespeed sets to collect and distribute data without an attendant being present. This provides economical use of the line during off hours or at night.
Telespeed 750 floor model sending unit

Telespeed 750 floor model receiving unit
BOTH FLOOR AND TABLE SETS AVAILABLE

Besides both floor model sending and receiving units, Telespeed 750 is available as a table-mounted sending set. The table set is used where tape handling facilities are not desired.

The Telespeed table-mounted tape reader has a wall-mounted apparatus box assembly, which contains the power supply and relays. In the floor model sending unit, the tape reader and the 800 ft. supply and take-up paper tape reels are mounted on a sliding drawer at the top of the cabinet. The apparatus unit is installed at the bottom behind a hinged door and slides out for easy maintenance. Both these sending sets utilize a Teletype CX high-speed paper tape reader.

The floor model receiving unit consists of a Teletype DRPE paper tape punch and the electronics needed to provide the interface between the tape punch and the data set. It is equipped for automatic answering, which enables the set to accept data without an attendant being present.

UNATTENDED SENDER TRANSMITS AUTOMATICALLY

It is now possible to equip the Telespeed 750 sending set for automatic unattended transmission to a receiving unit. However, in order to assure that only your own receivers are capable of turning and receiving sets have a discretely coded signal. This special 14-bit code prevents any other receiver from accidentally calling in your sending set.

Here's how it works. A previously punched paper tape is placed in the tape reader of the Telespeed 750 sending unit. By pressing the AUTO key, the sending set is made ready for unattended operation. The sender will then answer all incoming calls by returning a tone signal to the receiving set calling it. On hearing the tone, the receiving set's operator presses an AUTO RDR START key, thus transmitting the discrete code. The sending unit recognizes the correct code, turns on its tape reader, and transmits the information prepared in tape form.
### Specifications

<table>
<thead>
<tr>
<th>UNIT</th>
<th>HEIGHT</th>
<th>WIDTH</th>
<th>DEPTH</th>
<th>APPROX. WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Floor Units:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sending Set</td>
<td>54-in.</td>
<td>16-in.</td>
<td>24-in.</td>
<td>160 lbs.</td>
</tr>
<tr>
<td>Receiving Set</td>
<td>54-in.</td>
<td>16-in.</td>
<td>24-in.</td>
<td>196 lbs.</td>
</tr>
<tr>
<td><strong>Table Unit:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tape Reader</td>
<td>4-in.</td>
<td>6-in.</td>
<td>14-in.</td>
<td>15 lbs.</td>
</tr>
<tr>
<td>Wall Box</td>
<td>16-in.</td>
<td>13-in.</td>
<td>10-in.</td>
<td>27 lbs.</td>
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</tbody>
</table>

**Speed** — 75 characters per second (750 wpm)

**Code** — Any 5, 6, 7, or 8-level code, including ASCII

**Tape Widths**
- Sending Set — Will accommodate 11/16, 7/8, and 1-in. tape
- Receiving Set — Will accommodate 1-in. tape for 5 through 6 levels

**Power Requirements** — 115 V ± 10%, AC, 60 cycle ± .45%

### ADDITIONAL TAPE EQUIPMENT AVAILABLE

Besides Telespeed 750, Teletype Corporation makes high-speed tape-to-tape equipment that operates at 105 cps (1,050 wpm), as well as a full line of keyboard-punches, and paper tape punches and readers.

This line of equipment is made for the Bell System and others who require utmost reliability at the lowest possible cost.

To find out more about the paper tape capabilities of Teletype equipment, contact one of our applications engineers at our general offices address listed on the back cover.