

43 teleprinters



COMMUNICATIONS
TIME-SHARING
COMPUTER I/O



Meet the eye appealing Teletype™ model 43 with the budget appealing price. **Quiet, compact and lightweight**, this 30 character per second matrix teleprinter belongs wherever **reliable performance** and **quality print out** are required — in the office, factory, classroom or laboratory.

Designed to operate over the telephone network and point-to-point private-line facilities, the model 43 includes features to satisfy a broad spectrum of today's business communication needs — from simple data exchange to diverse computer input/output applications. And the 43 is compatible with systems that support Teletype Corporation's popular model 33 series.

Several Interfaces are offered: EIA (RS232)/DC Current single or dual interfaces (the latter for adding accessories); TTL (Digital); or with an integrated 103 type data set. The last provides **quick, convenient access to the telephone network** via connection to a modular telephone — two simple plug-in cords — takes only seconds.

Features include operator selectable **10 or 30 cps transmission** in either the **half or full-duplex** mode with parity detection on or off, **full ASCII upper and lower-case** data entry and print-out capability, **multi-copy**, **built-in diagnostics** plus a host of user conveniences. Terminals with the built-in data set also include operator controls for Talk, Data, and Automatic Answer.

Print quality is exceptionally crisp and easy to read. **Characters are formed by a long-life (300 million characters) 9-wire impact printhead** using a combination of up to 7 out of 9 dots vertically and up to 4 dots horizontally. Lower case characters show **true descenders** for increased legibility.

What makes the model 43 so outstanding is its total economy. . .it **costs less to own** because we used reliable low-cost LSI (Large Scale Integration) circuitry to carry out functions rather than more expensive, less reliable mechanical hardware. . .it **costs less to operate** because the cool running 43 consumes less power than a 75 watt light bulb, uses ordinary paper and comes with an inexpensive ribbon cartridge that prints up to 5 million characters. . .it **costs less to maintain** because of greater reliability, simplicity of design and modular construction. The 43 is comprised of 5

Model 43 Friction Feed Teleprinter

pluggable components and can be disassembled in only a few minutes using a screwdriver and wrench. With built-in test capability to isolate trouble and **modular components for speedy replacement**, downtime is very minimal.

A number of user conveniences make the 43 easy to operate. These include last character visibility, local and on-line margin settings, automatic carriage return and line feed on received data, and easy paper loading and ribbon replacement.

When sending or receiving, the model 43 delivers optimum throughput. The **buffered, light-touch keyboard** permits users to type as fast as skills permit. Incoming data is at **true transmission speeds** because functions such as carriage return and line feed do not require fill characters for timing. It's all handled very efficiently by a receive buffer and the printer's catch-up capability.

Model 43 teleprinters are **available in friction feed or pin feed versions** in send-receive or receive-only configurations.

The friction feed 43 lends itself to **message traffic and time-sharing applications** where text is of indeterminate length. It prints up to a 72 or 80 character line at 10 characters per inch. Vertical spacing is 6 lines per inch. A sharp original and one copy is provided on standard 8-1/2" wide roll paper.

The pin feed 43 is especially suited for preparing documents such as purchase orders, invoices, and shipping papers. But it's also an excellent terminal for **business reports and tabular listings** requiring wide format capability. The 43 **prints up to a 132 character line** at 13 characters per inch on 12" wide by 8-1/2" long fanfold paper. This becomes a handy 11" x 8-1/2" when the 1/2" serrated margins are removed, a **convenient size for reproducing and storing** using standard office equipment. An Original and two carbon copies are provided.

FEATURES

Operator Controls & Indicators

- | | |
|---|--|
| ☐ Local/Local-Talk | ☐ Print Test |
| ☐ Data | ☐ Parity On/Off |
| ☐ Term Ready/Auto-Answer | ☐ Half or Full-Duplex |
| ☐ Interrupt | ☐ 30 or 10 cps |
| ☐ Alarm | |

Printer

- Pin feed prints up to 72, 80, or 132 char/line @ 13 char/in and 6 line/inch on up to 3 ply fan-fold forms 12 inches wide, 8-1/2 inches long.
- Friction feed prints up to 72 or 80 char/line @ 10 char/inch and 6 line/inch on standard 8-1/2 inch wide 400 ft roll paper.
- Characters formed by a 9-wire matrix impact printhead printing a combination of up to 7 out of 9 dots vertically and up to 4 dots horizontally.
- Prints full 94 ASCII character set (upper/lower case) plus parity error symbol.
- Left and Right Margin Set and Clear, operator and on-line controllable.
- 64-character Received Data Buffer: Timing characters not required for return & line feed or multiple back space.
- 47 char/sec print-out rate when data waiting in buffer.
- Multiple lines feed at 30 line/sec.
- Alarm and automatic disconnect on paper-out/paper low condition.
- Last Character visibility.
- Bell rings before & at right margin & on receipt of BEL.
- Print-position indicator scale.
- Paper Guide and Supply Rack.
- Ribbon cartridge (continuous inking) for easy replacement.

Keyboard

- Typewriter-like solid-state keyboard generates all 128 ASCII code combinations.
- Back Space, operator and on-line.
- N-Key Rollover: 8-character burst buffer.
- Caps Lock, Back Space, Repeat, Return, Line Feed Shift and Control keys.



Model 43 Pin Feed Teleprinter

General

- Modular components for easy replacement.
- Built-in test feature.

TECHNICAL HIGHLIGHTS

Transmission Asynchronous at 110 or 300 bits per second.

Code: 1968 ASCII.

Interface: EIA (RS232)/DC Current (20-60 ma), TTL (Digital), or FSK (Integrated 103 type data set — FCC Reg. No. AT793C-70162-DT-E).

Electrical Requirements: 115 VAC @ 50/60 Hz.

Dimensions & Weight (approx.)

Height: 5-1/2"; Width: 18"; Depth: 21-1/2";

Weight: 30 lbs.

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