The Model 2251 Line Printer is an extremely compact, lightweight, 110 cps matrix impact printer. It weighs just 8 lbs and prints a 40-character line on a 3 3/4 inch wide, continuous roll paper. Its portability and operational characteristics make it an important "desk top" addition to the System 2200 product line without sacrificing standard features found in larger printers.

The Model 2251 Line Printer (40 columns) provides high quality printed output to the System 2200. It prints a full ASCII set of 96 characters containing both upper and lower-case letters, numbers and symbols, with rapid yet quiet operation. The printer uses a nominal 7 x 8 dot matrix to form characters and can output up to 40 characters per line with either a blue or red print. Printing at a rate of 110 characters per second, it can generate output at 110 lines per minute with the blue ribbon and 90 lines per minute with the red ribbon. Standard features of the printer include an ON/OFF switch, power on lamp, a 220 foot continuous roll of paper, red/blue ribbon, a LIST/PRINT switch for listing programs or printing output, and a SELECT/OFF-LINE switch to enable the printer to receive data from the System 2200.
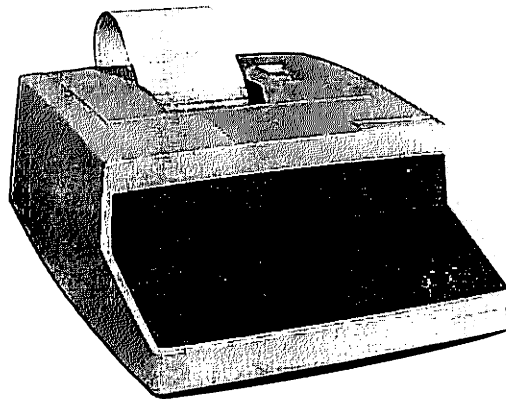
A 40-character buffer receives a full line of data sent from the System 2200 CPU. The printer prints its full character set under program control, automatic red or blue print is fully programmable and the LIST switch allows program listing to be printed in a readable indented format. Paper movement is controlled by a paper feed clutch.

Character Set

```
123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWX
YZ[\]^_°abcdefghijklmnopqrstuvwxyz§£¢§
 !"#$%&'()*+,-./
```

Sample Program Listing

```
0001 REM TABLE OF SQUARE ROOT,
     CUBE ROOT, AND RECIPROCALS
0020 A$="NUMBER"
    :B$="SQUARE ROOT"
    :C$="CUBE ROOT"
    :D$="RECIPROCAL"
0999 PRINT A$,B$,C$,D$
8900 END
```

MODEL 2251 LINE PRINTER

DATA SHEET

FEATURES

- 7 x 8 dot matrix.
- 96 character set, full ASCII.
- Prints a 40-character line at up to 110 lines/min.
- Full 40-character line buffering.
- Continuous roll paper feed.
- Selectable red/blue ink ribbon.
- Printer weighs 8 lbs.
- Non-destructive deselection of Printer.
- Specific LIST mode which formats and indents program listings.

BENEFITS

- Quality characters are highly readable.
- Both upper and lowercase characters plus special symbols are available to support a wide variety of applications.
- Excellent performance in its price range.
- CPU and printing operations can fully overlap to accelerate throughput.
- Insertion of paper roll is handled quickly and easily.
- Red or blue print is selectable from the CPU.
- The printer is extremely portable.
- Paper roll can be advanced or changed without losing data in the print buffer.
- Program listings are always neat and highly readable.

SPECIFICATIONS

Printer Size:

Height . . . . 6.5 in. (16.5 cm)
Depth . . . . 15 in. (38.1 cm)
Width . . . . 12 in. (30.5 cm)

Weight
8 lb (3.6 kg), without paper

Speed
110 characters/sec
110 lines/min at 40 characters/line (blue ribbon)
90 lines/min at 40 characters/line (red ribbon)

Character Configuration
7 x 8 dot matrix
14 char/in., horizontal (5.5 char/cm)
7 lines/in., vertical (2.8 lines/cm)

Character Set
full ASCII, 96 characters, both upper and lower case

SPECIFICATIONS (Cont.)

Line Width
40 characters

Switches/lamps
ON/OFF, SELECT/OFF-LINE, LIST/PRINT, power on lamp

Paper Size
continuous roll, 220 ft (60 m) long and 3.75 in. (9.5 cm) wide

Programmable Control Codes
line feed [HEX(0A)]
carriage return [HEX(0D)]
red ribbon HEX(0E)
blue ribbon HEX (0F)
delete HEX (7F)

Ribbon
Red/Blue Ink Ribbon

Cable
12 ft (3.7 m) cable with connector for CPU controller board
6 ft (1.8 m) detachable power cord

Controller
Line Printer Controller must be ordered separately to attach to 2200A, B or C or to drive more than one printer/plotter on 2200S, 2200T, WCS or WS.

Power Requirements
115 VAC ± 10%
60 Hz ± 1 Hz

Fuses
2.0 A(SB) for motor protection

Operating Environment
50°F to 122°F (10°C to 50°C)
-40°F to 158°F (-40°C to 70°C) storage
up to 95% relative humidity, non-condensing

ORDERING SPECIFICATIONS

A line printer providing complete alphanumeric printing capability to any Wang System 2200. It must print at a rate of 110 characters per second (up to 110 lines per minute) using a dot matrix printing technique with a 7 x 8 dot matrix. In addition to printing a full ASCII character set with both upper and lowercase letters, it must list programs in an indented format. All printable characters must be fully programmable; the printer must print a 40-character line and have a full-line buffer.

Standard Warranty Applies

Wang Laboratories reserves the right to change specifications without prior notice.