

WANG

LABORATORIES, INC.

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DATA SHEET

The Model 2231W Line Printer is a 120 cps matrix impact printer with an extensive array of standard features. It prints a 112-character line and provides an important addition to the System 2200 product line. Its speed, line length, 7 x 9 dot matrix, additional standard features and attractive price make it supremely cost competitive.

The Model 2231W Line Printer (112 column) provides high quality printed output to the System 2200. It prints a full ASCII set of 96 characters containing both upper and lowercase letters, numbers and symbols, with rapid yet quiet operation. The printer uses a nominal 7 x 9 dot matrix to form characters and can output up to 112 characters per line. Printing at a rate of 120 characters per second, it can generate output at 45 to 250 lines per minute, depending on line length. Standard features of the printer include a CLEAR switch, alarm lamp and tone, manual line feed, vertical format control with punched tape loop, paper feed control with pin-feed units, front-loading of paper and a SELECT/deselect switch to enable the printer to receive data from the System 2200.

A 112-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 formatting including both horizontal and vertical tabs is fully programmable to accommodate pre-printed and fixed-format output forms. An expanded character size (where dots of each character in the symbol matrix are each printed twice) is fully programmable to provide highlighted printing where desirable. Paper movement in the Model 2231W is controlled by a two-channel vertical format tape.

Character Set:

```
!"#$%&'()*+,-./0123456789:;<=>?
@ABCDEFGHIJKLMNPOQRSTUVWXYZ[\]^_
`abcdefghijklmnopqrstuvwxyz{|}~
```



MODEL 2231W LINE PRINTER

DATA SHEET

FEATURES

- 7 x 9 dot matrix, nominal
- 96 character set, full ASCII.
- Up to 250 lines/min can be printed.
- Full 112-character line buffering.
- Audio alarm.
- Expanded print capability.
- Pin-feed units.
- Front-load paper feed.
- Deselection without data loss.

SPECIFICATIONS

Printer Size:

Height	10 in. (25 cm)
Depth	18 in. (46 cm)
Width	24 in. (61 cm)

Weight

60 lb (27 kg)

Speed:

120 characters/sec, 45 to 250 lines/min.

Character Configuration:

7 x 9 dot matrix (dots not in adjacent columns of same row).

10 char/in. horizontal (4/cm),

6 lines/in., vertical (2.4/cm).

Character Set:

full ASCII, 96 characters, both upper and lower-case.

Line Width:

112 characters, maximum (56 characters, expanded).

Switches/lamps:

ON/OFF, SELECT, LINE FEED, TOP OF FORM, CLEAR, FORMS OVERRIDE, paper out alarm and lamp, power on lamp, select lamp, alarm tone.

Paper Size:

edge-to-edge 12.8 in. (32.5 cm) maximum.

Size continuously adjustable; up to four copies in addition to the original.

Vertical Format Control:

Vertical Tab, Top of Form

Programmable Control Codes:

Bell [HEX(07)], line feed [HEX(0A)], vertical tab [HEX(0B)], form feed [HEX(0C)], carriage return [HEX(0D)], expanded print [HEX(0E)], delete [HEX(7F)].

Ribbon:

cartridge-ink ribbon; endless, recirculating, Moebius loop.

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.
- Alarm tone is both programmable and used to warn operator of paper out.
- Enlarged titles and headings for highlighting documents are programmable and easily produced.
- Paper movement is accurately controlled, printing is always properly aligned even on pre-printed forms.
- Insertion of paper is handled quickly and easily.
- Forms can be changed and aligned without losing data in the print buffer.

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 or 230 VAC \pm 10%

50 or 60 Hz \pm 1 Hz

1.25/0.65A, 100 watts (approx)

Fuses:

AC line: 2A (SB) for 115 VAC,

1A (SB) for 230 VAC

DC carriage motor: 2.5A (SB)

Operating Environment:

50° to 90° F (10° to 32°C)

40% to 80% relative humidity, allowable

40% to 65% recommended

Accessories

Optional stand

ORDERING SPECIFICATIONS

A line printer providing complete alphanumeric printing capability to any Wang System 2200. It must print at a rate of 120 characters per second (up to 250 lines per minute) using a dot matrix printing technique with a 7 x 9 dot matrix. It must print a full ASCII character set with both upper and lowercase letters in both 10 point and expanded sizes, and react to ASCII control codes. All printable characters must be fully programmable; the printer must print a 112-character line and have a full-line buffer.

Standard Warranty Applies

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



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