

**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. Two models of the printer are available. Model 2231W-1 prints a 112-character line and the Model 2231W-2 prints a 132-character line.

The Model 2231W Line Printer provides high printed quality output to the System 2200. The printer uses a nominal 7 x 9 dot matrix to print a full ASCII set of 96 characters containing both uppercase and lowercase letters, numbers and symbols, with rapid yet quiet operation. 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, frontloading of paper and a SELECT/deselect switch to enable the printer to receive data from the System 2200.

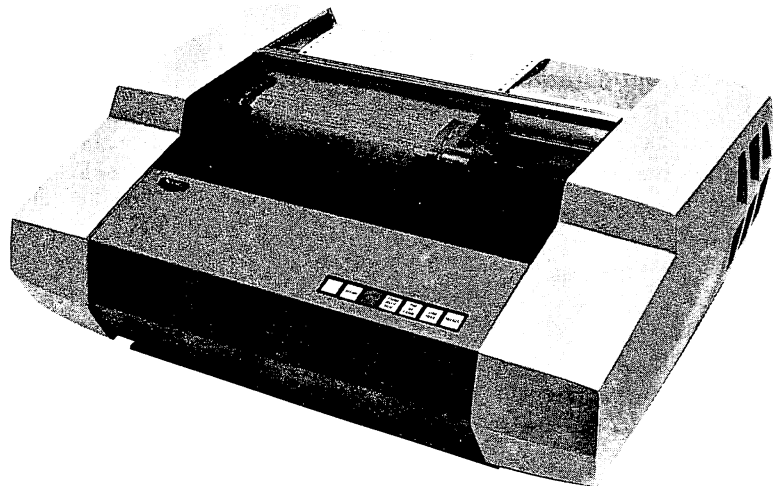
The printer prints its full character set under program control; automatic formatting including both horizontal and vertical tabs is fully programmable to accommodate preprinted and fixed-format output forms. An expanded character size (where dots of each character in the symbol matrix are each printed 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.

## Model 2231W-1 Character Set:

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

## Model 2231W-2 Character Set:

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



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 buffering\*.
- Audio alarm.
- Expanded print capability.
- Removable cartridge ink ribbon.
- Front-load and bottom-load paper feed.
- Deselection without data loss.

## BENEFITS

- Quality characters are highly readable.
- Both uppercase and lowercase characters plus special symbols are available for a 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 condition.
- Enlarged titles and headings for highlighting documents are programmable and easily produced.
- Snap-on cartridge ribbon is extremely simple to insert and remove.
- Insertion of paper is handled quickly and easily.
- Forms can be changed and aligned without losing data in the print buffer.

## SPECIFICATIONS

### Printer Size

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

### Net 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 char/cm)\*\*.  
6 lines/in. vertical (2.4 lines/cm).

### Character Set

ASCII 96 characters, both uppercase and lowercase.

### Line Width

Model 2231W-1  
112 characters, max (56 characters, expanded)  
Model 2231W-2  
132 characters, max (66 characters, expanded)

### Ribbon:

Cartridge ink ribbon; endless, recirculating, Moebius loop.

## 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)

3.5 in. (8.9 cm) min, 13.5 in. (34.3 cm) max paper width settings adjustable; up to four copies plus original can be printed.

## 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)].

## Cable

12 ft (3.66 m) cable with connector to the CPU.

## Controller

Standard Wang Printer/CPU Interface.

## Power Requirements

115 or 230 VAC  $\pm$  10%  
50 or 60 Hz  $\pm$  1 Hz  
1.25/0.65A, 150 watts

## Fuses

AC line: 1.5A (SB) for 115 VAC,  
8/10A (SB) for 230 VAC  
DC carriage motor: 2.5A (SB)

## Operating Environment

50° to 90°F (10° to 32°C)  
20% to 80% relative humidity, allowable  
35% to 65% recommended

## Accessories

Optional stand — Model 8006-5

## 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 (or 12) pitch and expanded sizes, and react to ASCII control codes. All printable characters must be fully programmable; the printer must print a 112 (or 132) character line and have a full-line buffer.

## Standard Warranty Applies

\*Model 2231W-1: 112-character buffer  
Model 2231W-2: 132-character buffer  
\*\*12 char/in. (4.8 char/cm) for Model 2231W-2

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

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700-3821D  
10-79-10M