

PRODUCT DATA SHEET

The Model 2231W-6 is a matrix line printer that provides typewriter-like printed output to the System 2200. The printer uses a high-density dot matrix to print an ASCII set of 96 characters containing both upper- and lowercase letters, numbers and symbols, with rapid yet quiet operation. Printing at a rate of 70 characters per second, it can generate output at 30 to 153 lines per minute, depending on line length. The Model 2231W-6 prints in both 10-pitch and 12-pitch format at a standard 6 lines per inch (1/6 inch line feed); however, the line feed can be programmed to integer multiples of a quarter-line feed (1/24 inch) for special purposes such as printing subscripts and superscripts. The printer also has a 132-character buffer which receives a full line of data sent from the System 2200 CPU.

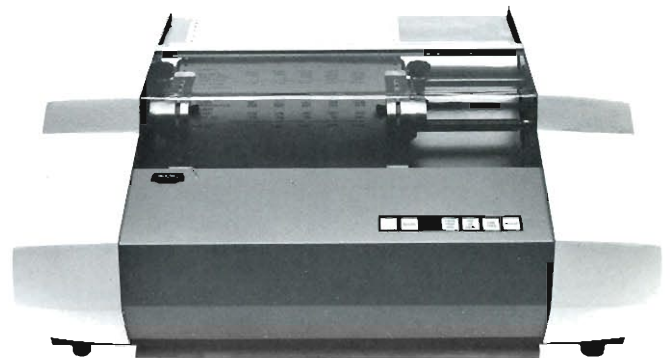
Standard features of the printer include a CLEAR (buffer) switch, alarm lamp and tone, manual line feed, paper feed control with pin-feed units, front- and bottom-load paperfeed, and a SELECT/deSELECT switch to enable the printer to receive data from the System 2200. The printer prints its full character set under program control; automatic formatting, including both horizontal and vertical tabs, is fully programmable to accommodate pre-printed and fixed-format output forms. Both form length and automatic form feed length can be programmed in quarter-line feed (1/24-inch) increments. An expanded character size (each dot of a character in the symbol matrix is printed twice) is fully programmable to provide highlighted printing where desirable. A programmable line suppression feature can also be used to overwrite key words or an entire line, or to add accent marks over characters.

The Model 2231W-6 Line Printer is well-suited for a broad range of printing applications. Its high-quality print, 70 characters per second speed, and unique features such as programmable pitch selection, character underscoring, variable line feed, and line feed suppression, make it especially attractive for scientific and business report generation tasks.

2200

MODEL 2231W-6 LINE PRINTER

- High Density Dot Matrix
- 70 characters per second
- 10-pitch/12-pitch
- Variable Line Feed
- Line Feed Suppression



10-Pitch Character Set

```
! " # $ % & ' ( ) * + , - . / 0 1 2 3 4
5 6 7 8 9 : ; < = > ? @ A B C D
E F G H I J K L M N O P Q R S T
U V W X Y Z [ \ ] ^ _ ` a b c d
e f g h i j k l m n o p q r s t
u v w x y z { | } ~
```

**EXPANDED
PRINT**

12-Pitch Character Set

```
! " # $ % & ' ( ) * + , - . / 0 1 2 3 4
5 6 7 8 9 : ; < = > ? @ A B C D
E F G H I J K L M N O P Q R S T
U V W X Y Z [ \ ] ^ _ ` a b c d
e f g h i j k l m n o p q r s t
u v w x y z { | } ~
```

**EXPANDED
PRINT**



Wang Laboratories, Inc.

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SPECIFICATIONS

Printer Size:

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

Net Weight:

70 lb (27 kg).

Speed:

70 characters/sec, 30 to 153 lines/min (depending on line length).

Character Configuration:

10-pitch font:
24 (wide) x 12 (high) dot matrix.
48 (wide) x 12 (high) dot matrix (for expanded size).
12-pitch font:
20 (wide) x 12 (high) dot matrix.
40 (wide) x 12 (high) dot matrix (for expanded size).

Character Set:

ASCII 96 characters, both upper- and lowercase.

Line Width:

10-pitch font:
110 characters (55 characters, expanded).
12-pitch font:
132 characters (66 characters, expanded).

Line Density:

6 lines/in. (nominal). Also programmable in 1/24 in. increments.

Ribbon:

Cartridge ink ribbon with 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,
and alarm tone.

Programmable Operations:

Select 10-pitch	Select 12-pitch
Audio Alarm	Form Feed
Line Feed	Expanded Print
Vertical Tab	Delete Buffer
Carriage Return	Variable-Line Feed
Line Feed Suppression	Underscore
Set Form Length	Set Automatic Form Feed Length

Cable:

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

Controller:

Standard Wang Printer Controller/CPU interface.

Power Requirements:

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

Fuses:

AC line: 1.5 amps (SB) for 115 VAC.
AC line: 0.8 amps (SB) for 230 VAC.
DC carriage motor: 2.5 amps (SB).

Operating Environment:

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

Accessories:

Optional Stand.

Paper Specifications:

Maximum width 13.5 in. (34.3 cm).
Minimum width 3.5 in. (8.9 cm).
Material: margin perforated fan-fold card or paper stock.
Normal form length 11 in. (27.9 cm).

Paper Stock:

Maximum number: four copies plus original.

For single part forms:

15 to 20 lb bond (20 lb recommended).

For multipart forms:

2 ply: 13 1/2/13 1/2 bond, 8 lb carbon.
3 ply: 13 1/2/13 1/2/13 1/2 lb bond, 8 lb carbon.
4 ply: 12/12/12/12 lb bond, 6 1/2 lb carbon.
5 ply: 12/12/12/12/12 lb bond, 6 1/2 lb carbon.

Carbon:

8 lb (med. hard) for 1 and 2 ply; 6 1/2 lb for 3, 4 and 5 ply.

Fastening multipart forms:

For improved forms handling, use glued margins; otherwise fasten with crimps every two inches (5.1 cm) along both edges. Crimps must not come closer than 0.5 in. (1.3 cm) to the fanfold; each crimp must have four prongs, two to enter both form and carbon, and two to enter forms only.

Forms thickness:

Maximum in the print area: 0.018 in. (0.046 cm); over crimps in margin: 0.030 in. (0.076 cm). When using forms with wide and narrow copies in the same set, the top copy should be fullest width.

Sprocket holes:

Must run along both margins 0.25 \pm 0.03 in. (0.635 \pm 0.076 cm) from paper edge to hole center lines.
Distance between hole centers must be 0.5 \pm 0.005 in. (1.27 \pm 0.013 cm) non-accumulative in any five inch (12.7 cm) length.
Hole diameters must be 0.156 \pm 0.005 in (0.396 \pm 0.013 cm); the two top and bottom drive holes (four per sheet) can be up to 0.200 in. (0.508 cm) in diameter to permit post or ring binding of output. Distance between hole centers across the sheet must be uniform within 0.015 in. (0.038 cm) to a maximum of 14.5 in. (36.8 cm).

For pre-printed forms:

Pin-hole center in left margin to left side of left-most character not less than 3/8 \pm 1/16 in. (1.0 \pm 0.2 cm); pin-hole center in right margin to right side of last character not less than 3/8 \pm 1/16 in. (1.0 \pm 0.2 cm).

ORDERING SPECIFICATIONS

A high-density matrix line printer providing complete alphanumeric printed output for Wang System 2200 operations. It must print at a rate of 70 characters per second (up to 153 lines per minute) using a dot matrix printing technique that produces typewriter-like output. It must print a 96 ASCII character set with both upper- and lowercase letters in 10-pitch, 12-pitch and expanded size, and react to ASCII control codes. The printer must have programmable operations for pitch selection, form length selection, underscoring characters, line feed suppression, and variable line feed. All printable characters must be fully programmable; the printer must print a 132-character line and have a full-line buffer.

Standard Warranty Applies

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



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