

PRODUCT DATA SHEET

The Model 2281W is a daisy character printer that functions both as a digital plotter and an output writer for System 2200 operations. Because it is a bidirectional printer, one 2281W can produce quality output at up to approximately 30 characters per second. The Model 2281W is specifically designed for reliable, cost-effective preparation of quality documents and forms. For all printing, plotting, and form-filling applications, the Model 2281W can space, set left margins, set line-feed in non-standard typewriter increments, and move the character entry position to any location on a form, irrespective of the position and length of previous fields.

The Model 2281W prints in either 10-pitch format (up to 132 characters per line) or 12-pitch format (up to 157 characters per line). A full-line character buffer for overlapping Central Processing Unit (CPU) and printing operations is set to 157 characters when 12-pitch format is selected. If the 10-pitch format is selected, the buffer size is 132 characters. Plotting is generally controlled with the PLOT statement from the Wang BASIC language. Plotting movements are performed in horizontal increments of 1/60 in. (0.0423 cm) and vertical increments of 1/48 in. (0.0529 cm). For forms filling, a group of control codes are available that, when used with the PRINT statement, allow precise positioning of the print wheel carriage to specified fields.

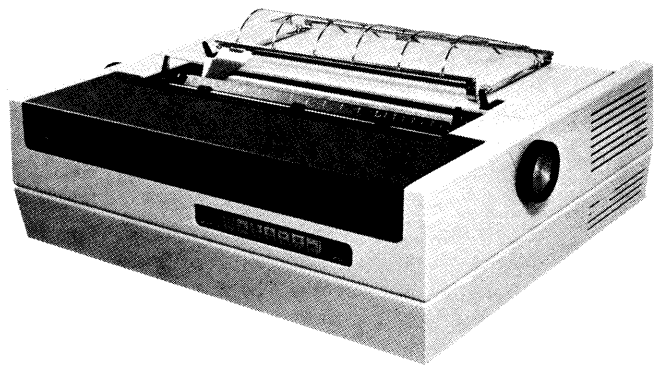
Standard features of the Model 2281W include a pitch select switch, print wheel/platen movement switches, set home position and return to home switches, ribbon cartridge, removable character wheel, and an error indicator lamp (paper out, ribbon out, cover open, and printer malfunction). Other standard features include TOP OF FORM and LINE FEED switches, and a SELECT switch to enable the printer to receive data from the System 2200 or to halt printer operations temporarily without causing loss of data in the buffer. Horizontal and vertical formatting are fully programmable to accommodate preprinted and fixed-format output forms.

The Model 2281W is supplied with a friction-feed platen, although a pin-feed forms tractor is an available option.

2200

MODEL 2281W PRINTER/PLOTTER

- **Reliable, Cost-Effective, High-Quality Printer**
- **Versatile Printing and Plotting Capabilities**
- **Ideal for Forms-Filling**
- **Switch-Selectable 10-Pitch or 12-Pitch**
- **Programmable Horizontal and Vertical Formatting**



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

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SPECIFICATIONS

Size

Height 9.00 in. (22.86 cm)
Depth 19.50 in. (49.53 cm)
Width 24.00 in. (60.96 cm)

Approximate Net Weight

82 lb (36.9 kg)

Plotting Increment

Horizontal
1/60 in. (0.0423 cm) per step
Vertical
1/48 in. (0.0529 cm) per step

Plotting Accuracy

Horizontal
± 1/60 in. plus 0.003 in./in.
(± 0.0423 cm plus 0.003 cm/cm)
Vertical
± 1/48 in. plus 0.003 in./in.
(± 0.0529 cm plus 0.003 cm/cm)

Printing Speed

30 characters/sec (approximately), bidirectional

Character Configuration

10-pitch
132 characters per line
12-pitch
157 characters per line
6 lines/inch, standard. Also variable under program control in multiples of 1/48 inch per line.

Character Set

ASCII, 86 characters, both uppercase and lowercase

Switch/Indicators

ON/OFF, SELECT, PITCH, TOP OF FORM, LINE FEED (CR/LF), PRINT WHEEL/PLATEN MOVEMENT (↑, ↓, ←, →), HOME, SET HOME, and INCREMENTAL/ CHARACTER SPACING switches; power-on lamp, select lamp, and error lamp (ribbon out, paper out, cover open, and malfunction).

Programmable Operations

Backspace
Tab
Line Feed
Vertical Tab (6 lines)
Form Feed (66 lines)
Set Line Feed Spacing (multiples of 1/48 in.)
Plot
Carriage Return
Clear Tab
Set Tab
Underscore
Delete
Set Home

MOVE (relative to Home position)
MOVE (relative to current position)

Set Left Margin
Set Home (current position)
Set Home (power on default)
Reverse Index

Paper

Maximum width 15.0 in. (38.0 cm)
Minimum width 3.5 in. (8.89 cm)
Thickness 0.027 in. (0.069 cm)
Maximum number five copies plus original

Ribbon

Black carbon ribbon cartridge multistrike and singlestrike

Cable

12 ft (3.7 m) cable to I/O controller board

Controller

Standard Wang Printer/CPU Interface

Power Requirements

115 or 230 VAC ± 10%
50 or 60 Hz ± 1 Hz
250 watts

Fuses

3.0 amps (SB) for 115 VAC
1.5 amps (SB) for 230 VAC

Operating Environment

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

Accessories

Optional pin-feed tractor
Optional bidirectional forms tractor
Optional twin sheet feeder

ORDERING SPECIFICATIONS

A bidirectional plotting printer that provides digital plotting capability as well as fully-formatted alphanumeric printing capability to the Wang System 2200. It must respond to programmable PRINT and PLOT commands and be able to move the character print position to any location on a form irrespective of the position and length of previously typed fields. An ASCII set of 86 characters (containing both upper and lowercase letters, numbers and symbols), in 10- or 12-pitch format must be available for printing documents and labeling plots at a rate of approximately 30 characters per second. All operations for printing, plotting, and form filling must be programmable and the printer must have a full-line buffer.

Standard Warranty Applies

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

This document was set on a Wang typesetter.

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