

WANG

LABORATORIES, INC.

ONE INDUSTRIAL AVENUE, LOWELL, MASSACHUSETTS 01851, TEL. (617) 851-4111, TWX 710 343-6769, TELEX 94-7421

DATA SHEET

The Model 2281P is a daisy character wheel printer which functions both as a digital plotter and an output writer for System 2200 operations. It prints bidirectionally an 86-character ASCII set containing both upper and lowercase letters, numbers and symbols, at 30 characters-per-second. The Model 2281P is specifically designed for reliable, cost-effective preparation of quality documents and forms. For all printing, plotting, and form-filling applications, the Model 2281P can space, line-feed and carriage return 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.

Plotting is generally controlled with the PLOT statement from the Wang BASIC language. Additional versatility is available by utilizing Wang Plotter Utility Routines which plot, scale, and label graphs of mathematical equations, bar charts, pie charts, and point plots. Plotting movements and vectors are performed in horizontal increments of 1/60 inch (0.0423 cm) and vertical increments of 1/48 inch (0.0529 cm).

The Model 2281P 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 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.

Standard features of the Model 2281P include a PITCH select switch, print wheel/platen position switches, ribbon cartridge, removable character wheel, and an error indicator lamp (paper out, ribbon out, cover open, printer malfunction). Also, TOP OF FORM and LINE FEED switches, and a SELECT/deselect 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 pre-printed and fixed format output forms.

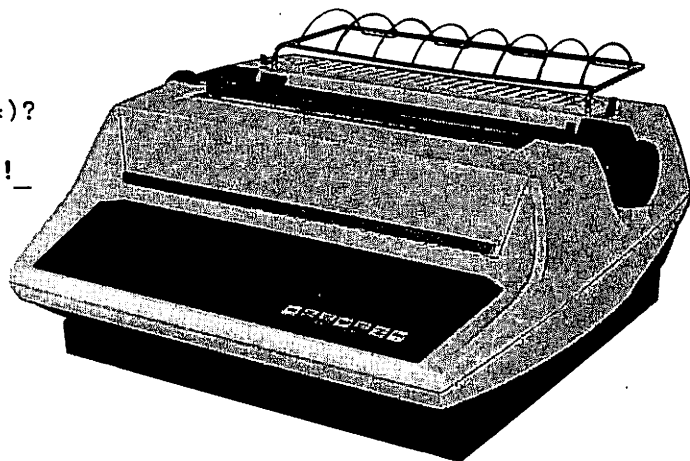
The Model 2281P is supplied with a friction feed platen, although a pin-feed platen is an available option.

Character Set:

¢!"#\$%&'()*+,-./0123456789:;(=?

@ABCDEFGHIJKLMNO PQRSTUVWXYZ()!_

abcdefghijklmnopqrstuvwxyz.



MODEL 2281P PRINTER/PLOTTER

DATA SHEET

SPECIFICATIONS

Size

Height 14 inches (35.6 cm)
Depth 22 inches (55.9 cm)
Width 24 inches (61 cm)

Approximate Net Weight

64 lb (28.8 kg)

Plotting Increment

Horizontal — 1/60 inch (0.0423 cm) per step
Vertical — 1/48 inch (0.0529 cm) per step

Plotting Accuracy

Horizontal — $\pm 1/60$ inches plus 0.003 inch/inch
(± 0.0423 cm plus 0.003 cm/cm)
Vertical — $\pm 1/48$ inches plus 0.003 inch/inch
(± 0.0529 cm plus 0.003 cm/cm)

Printing Speed

30 characters/sec, 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 upper and lowercase

Switch/Indicators

ON/OFF, SELECT, PITCH, TOP OF FORM, LINE FEED (CR/LF), PRINT WHEEL/PLATEN MOVEMENT ($\leftarrow$, $\rightarrow$, $\uparrow$, $\downarrow$), HOME, SET HOME, and INCREMENTAL/CHARACTER SPACING switches; Power-on Lamp, Select Lamp, and Error Lamp (ribbon out, paper out, cover open, malfunction).

Programmable Operations

Black Ribbon Selection*
Red Ribbon Selection*
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/Power On
Reverse Index

Paper Size

15 inches (38 cm), maximum width
Up to five copies, plus original can be printed

Ribbon

Black ink ribbon cartridge (cloth/carbon)

Cable

12 feet (3.7 m) cable to controller board

Controller

Standard Wang Printer/CPU Interface

Power Requirements

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

Fuses

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

Operating Environment

45° F to 95° F (7° to 35° C)
10% to 80% relative humidity, non-condensing

Duty Cycle

Medium, printing time — up to 4 hours/day

Accessories

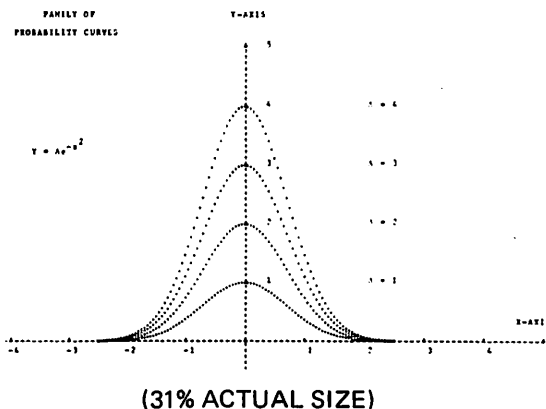
Optional pin-feed platen

Standard Warranty Applies

* Used with dual color ribbon

ORDERING SPECIFICATIONS

A bidirectional plotting printer which 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 plot curves and charts using a different symbol for each plot. 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 30 characters-per-second. All operations for printing, plotting and form filling must be programmable and the printer must have a full-line buffer.



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

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