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 preprinted 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:

é1"#$%&'( )*+,./0123456789:;<=>? @ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^_`abcdefghijklmnopqrstuvwxyz"}A

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 — ±1/60 inches plus 0.003 inch/inch
  (±0.0423 cm plus 0.003 cm/cm)
- Vertical — ±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 (↑, ↓, ←, →), 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 ± 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.