

WANG

LABORATORIES, INC.

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

DATA SHEET

The Model 2281 is a daisy character wheel impact printer with an extensive array of standard features. It prints (bidirectionally) either a 132-character or 158-character line at 40 characters per second. Its typewriter-like print registration, line length, additional standard features and attractive price make it an important addition to the System 2200 product line particularly when typewriter quality and/or single sheet printed output is required.

The Model 2281 Printer provides high quality printed output to the System 2200. It prints a full ASCII set of 86 characters containing both upper and lowercase letters, numbers and symbols, with rapid yet quiet operation. Printing bidirectionally, at 40 characters per second, it can generate output in either a 10 pitch (up to 132 characters per line) or 12 pitch (up to 158 characters per line) format. Standard features of the printer include a PITCH select switch, black/red ribbon cartridge, removable character wheel, and paper out, cover open, and ribbon out indicator lamps. Also, a TOP OF FORM switch and a SELECT/deselect switch to enable the printer to receive data from the System 2200 or to halt printing temporarily without causing loss of data.

If the 12 pitch format is selected, a 158-character buffer receives the full line of data sent from the System 2200 CPU. (If the 10 pitch format is selected, the buffer length is 132 characters). The Model 2281 generates its full character set under program control, automatic black or red print is fully programmable and color changes can be made for any selected line or selected characters within a given line. The printer uses the standard Wang printer controller board.

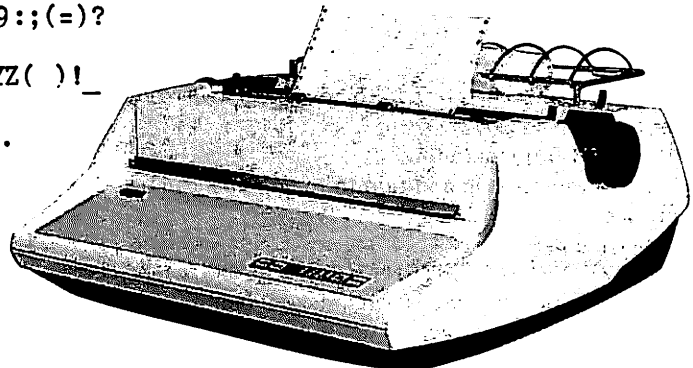
The Model 2281 Printer is well suited for a broad range of printing applications on the Wang family of small computer systems. Its high quality print, 40 character per second speed, and unique features such as programmable character underscoring, format tabbing, and color print selection, make it especially attractive for high volume form filling and report generation tasks.

Character Set:

@!"#\$%&'()*+,-./0123456789:; (=)?

@ABCDEFGHIJKLMNO PQRSTUVWXYZ()!_

abcdefghijklmnopqrstuvwxyz.



MODEL 2281 PRINTER

FEATURES

- Removable daisy character wheel.
- Typewriter-like print registration.
- 86 character set, full ASCII.

- 10 pitch or 12 pitch character format.

- Full-line buffer (132 or 158 character line).
- Programmable character underscoring.
- TOP OF FORM switch.
- Adjustable platen.
- Removable cartridge-ink ribbon.
- Selectable black/red ink ribbon.
- Deselection without data loss.
- Standard Printer/CPU interface.

- Pin feed forms tractor mechanism (optional).

BENEFITS

- Character sets are interchangeable for varied applications.
- Quality characters are highly readable.
- Both upper and lowercase characters plus numerals and special symbols are available to support a wide variety of applications.
- Selectable character density in either a 10 pitch (132 character line) or 12 pitch (158 character line) format by simply replacing the daisy character wheel and setting a switch.
- CPU and printing operations can fully overlap to accelerate throughput.
- Documentation headings and key words can be highlighted as required.
- Standard Top of Form for 66 lines per page eliminates need for program line counting.
- Operator can vary distance between platen and print wheel for multiple parts form.
- Snap-on cartridge ribbon is simple to insert and remove.
- Black or red print selection is programmable from the CPU for highlighting documentation.
- Forms and cartridge ribbon can be changed or adjusted without losing data in the print buffer.
- No special controller is required; interfaces directly to the PCS and WS. Standard Wang printer controller utilized on 2200 series and WCS computers.
- Both pin feed paper and friction feed paper can be used on the printer.

SPECIFICATIONS

Printer Size:

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

Weight:

37 lb (16.8 kg)

Average speed:

40 characters/sec, bidirectional

Line length/pitch

132 -10 pitch, 158 -12 pitch

Character Set

full ASCII, 86 characters, both upper and lowercase

Paper Size:

15 in. (38 cm) maximum

Up to five copies in addition to the original can be printed.

Switches/lamps:

ON/OFF, SELECT, PITCH, TOP OF FORM, paper out indicator lamp, power on indicator lamp, select lamp, ribbon out indicator lamp, cover open indicator lamp, and printer hardware error lamp.

SPECIFICATIONS (Cont.)

Programmable Control Codes:

black ribbon selection	HEX (05)
red ribbon selection	HEX (06)
backspace	HEX (08)
TAB	HEX (09)
line feed	HEX (0A)
vertical tab (6 lines)	HEX (0B)
form feed (66 lines)	HEX (0C)
carriage return	HEX (0D)
color change	HEX (0E)
clear TAB	HEX (19)
set TAB	HEX (1A)
underscore	HEX (5F)
delete	HEX (7F)

Ribbon:

Black/red ink ribbon cartridge (cloth/carbon).

Cable:

12 ft (3.7 m) cable with connector for CPU controller board;

6 ft (1.8 m) power cord.

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

SPECIFICATIONS (Cont.)

Controller:

The PCS and Work Station interface directly with the provided printer/plotter controller (no option required). However, a Line Printer Controller must be ordered separately to attach the printer to 2200 A, B, or C or to drive more than one printer/plotter on the 2200S, 2200T, WCS or 2200 VP.

Power Requirements:

115 or 230 VAC \pm 10%
50 or 60 Hz \pm 1 Hz
250 Watts

Fuses:

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

Operating Environment:

45°F (7°C) to 95°F (35°C)
-20°F (-29°C) to 135°F (57°C) storage
10% to 80% relative humidity, non-condensing
0% to 90% relative humidity storage

Duty Cycle:

Medium-average actual printing time — up to 4 hours/day

Accessories:

Optional forms feeder for fan fold continuous form paper.

ORDERING SPECIFICATIONS

A character printer providing complete alphanumeric printing capability to any Wang System 2200. It must print, bidirectionally, a full-line of up to 158 characters at 40 characters per second. It must generate a full ASCII character set with both upper and lowercase letters in either 10 pitch (132 column) or 12 pitch (158 column) format, and react to ASCII control codes. All printable characters must be fully programmable and in addition characters must be printable in either black or red color.

Standard Warranty Applies

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