

The WANG Model 2202 Plotting Output Writer is a modified IBM Selectric typewriter that functions both as a digital plotter and an output writer. Each operation is chosen with a specific SELECT statement in the System 2200B BASIC language. When selected for output writer operation, an automatic carriage return is generated if the carriage width is exceeded; for plotting it is not.

The plotting is controlled with a single PLOT statement from BASIC language. Full alphanumeric labeling of plots is possible. Plotting is performed in increments of .01" and with a speed up to 400 steps/second. These plots are quickly typed with a wide range of characters. Additional flexibility is available with the System 2200 Utility Routines which plot, scale and label the following: rectangular, parametric, and polar equations; bar charts; pie charts; and point plots.

The Plotting Output Writer permits full alphanumeric printout at 13 characters per second. This printout is programmable with the PRINT and PRINTUSING statements of the BASIC language. The Model 2202 can be used to LIST programs, TRACE programs, and for complete console output. When not on-line with the System 2200B, the Model 2202 Plotting Output Writer can be used as an electric typewriter.

PIN-FEED PLATEN

The Plotting Output Writer is supplied with a pin-feed platen 13 1/8 inches wide and a vertical distance of 1/2 inch between pins.



2202

PLOTTING OUTPUT WRITER

DATA SHEET

SPECIFICATIONS

- Stepping Rate**
400 steps/sec approx (X or Y axis)
- Stepping Increment**
0.01 in. (0.0254 cm) per step
- Plotting Time**
0.1 sec between points (min)
- Accuracy**
± (0.01 in. plus 0.003 in./in. [\pm (0.0254 cm plus 0.003 cm/cm)])
- Paper Width**
13 ⁵/₈ in. (34.6 cm)
- Width of Printing Area**
12 ¹/₄ in. (31.1 cm)
- Printing Density**
APPROX 7 lines/in. (0.14 in./line) (2.75 lines/cm) (vertical)
10 characters/in. (3.94 characters/cm) (horizontal)
- Type Face**
IBM Prestige elite 72 (code 012)
- Maximum Printing Speed**
13 characters/sec
- Operation Speeds (approximate)**
- | | | |
|-------------------|-----------|---------------------|
| Space (backspace) | | 0.030 sec |
| Index | | 0.050 sec |
| Carriage Return | | 0.15 sec + 0.060 |
| | | sec/in. (0.15 sec + |
| | | 0.023 sec/cm) |
- Size**
- | | | |
|--------|-----------|--|
| Height | | 33 in. (83.8 cm) |
| Width | | 28 ¹ / ₂ in. (72.4 cm) |
| Depth | | 18 in. (45.7 cm) |
- Weight**
96 lbs (43.6 kg)
- Power Requirements**
115 VAC or 230 VAC \pm 10%
50 or 60 Hz \pm 1/2 cycle

SPECIFICATIONS (CONTINUED)

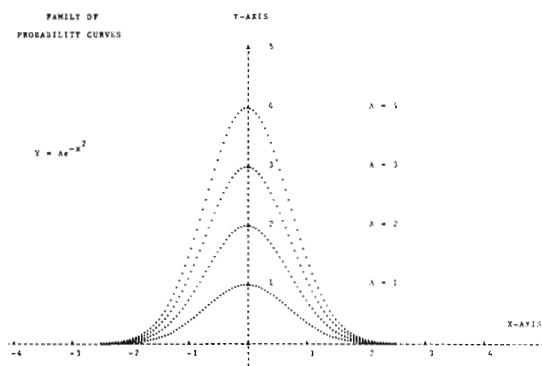
- Connecting Cables**
8-ft (2.44 m) cable with connector to calculator output jack.
- Pin-Feed Platen**
Pins are vertically spaced ¹/₂ inch apart. Pins are horizontally spaced 13 ¹/₈ inches apart.
- Operating Environment**
50° F to 90° F (10° C to 32° C)
40% to 60% relative humidity

Standard warranty applies.

ORDERING SPECIFICATIONS

A plotting typewriter which provides digital plotting capability as well as fully-formatted alphanumeric printing capability to the calculating system. Must be capable of plotting multiple curves on the same set of axes using a different symbol to plot each curve, with an accuracy of \pm 0.01 in. + 0.003 in./in. Must be capable of plotting in one, two or four quadrants using either rectangular or polar coordinates. A full alphanumeric character set with complete formatting instructions must be available to type titles, labels or other messages at a rate of at least 13 characters per second. All operations, except tab functions, which can be manually performed from the Selectric, must be programmable such that they can be performed on the plotting typewriter under program control. When not being used on-line as a plotting typewriter, the device must be usable as a regular manual typewriter.

(31% ACTUAL SIZE)



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



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