

PRODUCT DATA SHEET

The Wang Model 2272-2 Digital Drum Plotter provides point plotting, continuous line plotting and fully automatic alphanumeric lettering capability to the System 2200. It has a unique combination of features found only on much more expensive plotters such as digital control accuracy, efficient plotting speeds, plot-vector buffering for overlapped CPU-plotter processing, automatic alphanumeric character generation and a virtually unlimited plotting area. The plotter can prepare a wide variety of plots from bar graphs, pie chart, graphs of standard mathematical functions and business curves to small and large engineering drawings, surveying drawings, machine components and maps.

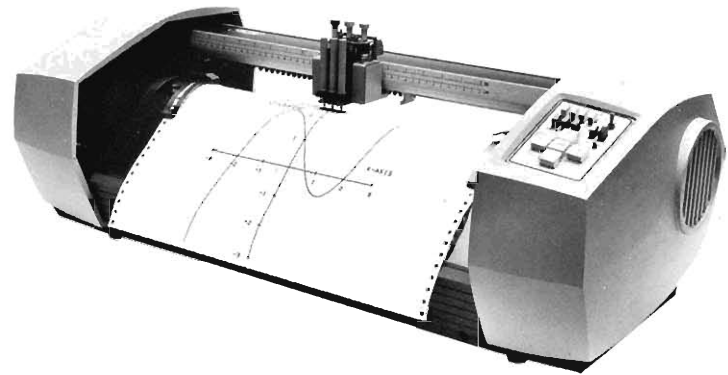
The plotter has an accuracy of .01 in. plus .1% (.0254 cm plus .1%) and can prepare plots up to 16 in. (41 cm) wide by virtually any length. Manual controls permit setting the home position of the coordinate axis at one of four orientations, slewing the pen position as desired, placing the pen in the "up" position and clearing the plotter buffer. A zero-reference HOME parameter permits quick resetting of the pen and axis origin, either under manual or program control.

The plotter is controlled and programmed by the System 2200 with the PLOT statement. Model 2272-2 accommodates three pens; it can be used to plot diagrams in three colors, with pens programmably selectable.

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MODEL 2272-2 DIGITAL DRUM PLOTTER

- ASCII Character Set
- Automatic Lettering in 15 Selectable Sizes
- Plot-vector Buffer
- Four Orientations of Coordinate Axis
- Accommodates Three Pens (Program Selectable)



Character Set

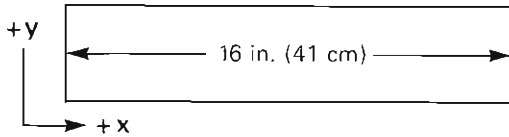
! # \$ % & ' () * + , - . / 0 1 2 3 4 5 6 7 8 9 : ; < = > ? @
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z I \] ^ _ `

WANG

Wang Laboratories, Inc.

One Industrial Avenue, Lowell, MA 01851, Tel. (617) 459-5000, TWX 710-343-6769, Telex 94-7421

To plot a diagram in the usual right-handed cartesian coordinate system, the 0° -rotation switch is pushed down. This switch is normally down whenever the desired plot is no more than 16 in. (41 cm) along the x-axis.



If a diagram cannot be accommodated with a 16 in. (41 cm) x-axis, the x-axis can be set along the *length* of the paper. This is done by pushing the 90° -rotation switch. With this switch down, the orientation of the plot is automatically rotated so that the x-axis can be as long as necessary. Two other orientations are provided by the 180° and 270° axis rotation switches.

SPECIFICATIONS*

Plotting Area: (per zero-reference HOME)

16 in. (40.6 cm) wide by 81.9 in. (208 cm) long

Paper:

Fan-fold sprocket-feed 17 in. wide (43.2 cm) (pin-to-pin distance)

Plotting Increment:

.005 in. (.0127 cm)

(Effective Plotting Increment when linearizing slanted lines: .0025 in. (.0064 cm))

Plotting Accuracy:

.01 in. plus .1% (.0254 cm plus .1%).

.02 in. maximum (.0508 cm) for immediate retrace.

Plotting Speed:

3 in./sec (7.6 cm/sec) maximum

Pen:

Three-pen holder; accommodates fiber tip pens and ball point pens. Pens programmably selectable.

Approx Net Weight:

68 lb (31 kg)

Size:

Height 10.2 in. (25.6 cm)

Width 33 in. (83.8 cm)

Depth 14 in. (35.6 cm)

Switches/Indicator Lamps:

ON/OFF; Set Limits, Slew, Plot mode switches, pen up switch, run lamp, clear buffer switch, home switch, pen position switches (←, ↑, →, ↓), select axis switches (↖, ↗, ↘, ↙) for each of four possible rotations, 0°, 90°, 180°, 270°, power ON/OFF lamp.

SPECIFICATIONS (Cont.)

Buffer:

400 bytes

Alphanumeric Plotting:

64 ASCII characters, 15 selectable sizes

Connecting Cables:

8 ft (2.4 m) cable to CPU; 8 ft (2.4 m) power cord

Controller:

Standard Line Printer/CPU interface. Separate Line Printer Controller must be ordered separately to drive more than one printer/plotter on current models.

System Compatibility:

Any System 2200 with a plot capability.

Power Requirements:

115 or 230 VAC ± 10%, 50 or 60 Hz ± 1 Hz

Operating Environment:

50° to 90°F (10° to 32°C)

20% to 80% relative humidity, allowable

35% to 65%, recommended

ORDERING SPECIFICATIONS

A digital drum plotter compatible with any Wang System 2200 which has a plot capability. The plotter must have three pens and must be capable of full alphanumeric plotting, labelling and scaling under program control. Must have switches to set axes at four 90° rotations, pen position switches, switches to set limits and slew pen, a clear buffer switch and a plot mode switch. Must access a 400-byte buffer which can be filled from the System 2200 CPU. Data must be shipped to the plotter in increments (Δx, Δy) from the CPU and must be normally be input to the CPU as digital data.

Standard Warranty Applies

*A metric version of the Digital Drum Plotter is designated as Model 2272-2M. Its physical and operating characteristics are identical to the Model 2272-2 except that it has the following features:

1. plotting increment of .10 mm (100 plotting increments per cm).
2. plotting accuracy of .25 mm plus .1% of plotting distance.
3. a maximum plotting speed of 9 cm/sec in each axis.

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

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One Industrial Avenue, Lowell, MA 01851, Tel. (617) 459-5000, TWX 710-343-6769, Telex 94-7421

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