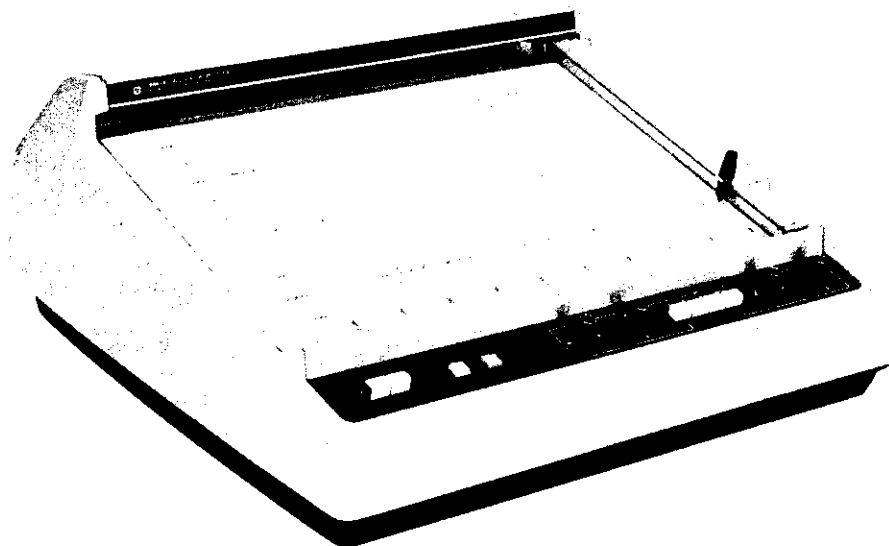


HEWLETT **hp** PACKARD

SERIES
9800

9862A PLOTTER

TECHNICAL DATA* JANUARY 1975



DESCRIPTION

The HP 9862A Plotter provides permanent graphic solutions to problems solved by 9800 Programmable Calculators. The plotter graphs the point specified by the X and Y coordinates stored in two of the calculator data registers when the plot command is given. The relationship between the variables is usually programmed in the calculator which then controls the plotter. The calculator can also be used in the manual mode to transfer data coordinates directly to the plotter.

Maximum plotting capability is obtained with the plotter which provides complete alphanumeric plotter output, axis generation, automatic function scaling, and special symbol point plotting. This allows the user to produce finished plots that are titled, scaled, and labeled as he desires.

SPECIFICATIONS

Plotting Area

Y Axis: 10 inches (250 mm).
X Axis: 15 inches (380 mm).

Graph Limit Controls

The origin or the lower left corner of the plotting area must be set first.

Y Axis: 0 to 5 inches (0 to 125 mm).

X Axis: 0 to 10 inches (0 to 250 mm).

Full scale or the upper right corner of the plotting area may be set anywhere.

Vector Length Limits

18.03 inches (458 mm), corner to corner.

Writing Method

Disposable ink pens.

Pen Control

Local control by a front panel of switches. Remote control by calculator program commands. Maximum number of operations per second is 12. Time per command is 40 msec.

Accuracy

99.7% of full scale at 25°C $\pm$ 0.005% per degree centigrade.

Plotting Time
0.5-inch vector 90 msec.

Numerical Resolution
1/10,000.

Resetability
0.007 inch (0,18 mm).

Temperature Range
5° to 45°C ambient.

Power
Choice of four positions:
100V ± 10%
115V ± 10%
200V ± 10%
230V ± 10%
48 to 66 Hz.

Weight
Net: 40 lbs (18,1 kg).
Shipping: 52 lbs (23,6 kg).

Dimensions
Height: 8.5 inches (2.3 mm).
Width: 20 inches (500 mm).
Depth: 19.37 inches (484 mm).

PLOTTER ACCESSORIES AND OPTIONS

Plotter Paper

9270-1004	10 in. x 15 in. plot area (one box of 100 sheets)
9270-1006	7 in. x 10 in. plot area (one box)
9270-1024	250 mm x 380 mm metric plot area (one box)
9270-1023	180 mm x 250 mm metric plot area (one box)
SEMI-LOG	
9280-0159	10 in. x 2 cycle plot area (one box)
9280-0160	10 in. x 3 cycle plot area (one box)
9280-0169	2 cycles x 15 in. plot area (one box)

9280-0168	3 cycles x 15 in. plot area (one box)
LOG-LOG	
9280-0167	2 cycle x 3 cycle plot area (one box)
9280-0165	3 cycle x 2 cycle plot area (one box)
9280-0171	3 cycle x 4 cycle plot area (one box)
SMITH CHART	
9280-0137	7-inch diameter (one box)
9280-0180	Blank (one box)

Plotter Pens

5081-1190	Package of 3 red pens ¹
5081-1191	Package of 3 blue pens ¹
5081-1192	Package of 3 green pens
5081-1193	Package of 3 black pens ¹

Miscellaneous

5080-3605	Slidewire cleaner ¹
5080-3635	Slidewire lubricant ¹
4040-0477	Dust cover — plotter ¹
Standard	Pull-out instruction card — English ²
Option 001	Pull-out instruction card — French ²
Option 002	Pull-out instruction card — German ²
Option 003	Pull-out instruction card — Italian ²
Option 004	Pull-out instruction card — Spanish ²

¹One furnished at no charge with instrument delivery.

²Choice of one furnished at no charge with instrument delivery.

PURCHASE PLANS

Check with one of the Hewlett-Packard worldwide sales and service offices for specific prices and plans in your area.

Service Contracts Available.

*Data Subject to Change



Sales and service from 172 offices in 65 countries.
Loveland, Colorado 80537.