

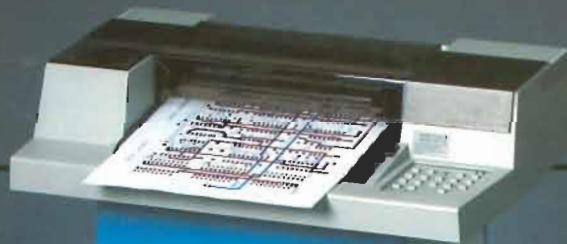
# HEWLETT-PACKARD

Technical Data, June 1987

## HP Graphics Plotters

*The quality solution for your graphics needs!*

**HP 7475A Plotter**  
Versatile plotter for  
business and PC CAD



**HP 7550A Plotter**  
High-performance plotter  
with automatic sheet feed



**HP ColorPro Plotter**  
Compact plotter for  
business applications



# Hewlett-Packard — your assurance of top-quality graphics plotters

If you're getting ready to add a color graphics peripheral to your PC system, look to Hewlett-Packard — the world's leading manufacturer of small-format graphics plotters. HP has the plotter to fit your application, your computer system, and your budget.

- For business applications, the HP ColorPro 8-pen plotter makes impressive, colorful  $8\frac{1}{2} \times 11$  in.\* presentation graphics on regular and glossy paper and on overhead transparency film.
- For business and PC-CAD applications, the HP 7475A 6-pen plotter offers high-quality  $8\frac{1}{2} \times 11$  in. and  $11 \times 17$  in.\*\* color graphics in a variety of media — polyester drafting film, overhead transparency film, and paper. The HP 7475A can be used

with all leading PCs, as well as with a mini- or mainframe computer terminal.

- The high-performance HP 7550A 8-pen plotter uses automatic sheet feed plus fast acceleration and speed to meet advanced graphics needs. Equipped to produce both  $8\frac{1}{2} \times 11$  in. and  $11 \times 17$  in. graphics, HP's top-of-the-line small-format plotter is perfect for both shared-resource environments and high-volume individual users. The HP 7550A accepts a full range of media, too, from overhead transparencies to drafting film.
- In laboratory and testing environments, HP's small-format graphics plotters will provide professional-

quality hardcopy of acquired data, either directly from smart instruments or using a computer and software.

## Designed with your needs in mind

**Quality first — Clear, colorful** overhead transparencies take just minutes to produce with an HP plotter, and can be updated at the last minute to incorporate new information. An HP plotter offers advantages not available with other methods of preparing overheads; see the matrix on the bottom corner opposite for a comparison.

\* $8\frac{1}{2} \times 11$  in. is A size; 210 × 297 mm is A4 size.  
\*\* $11 \times 17$  in. is B size; 297 × 420 mm is A3 size.

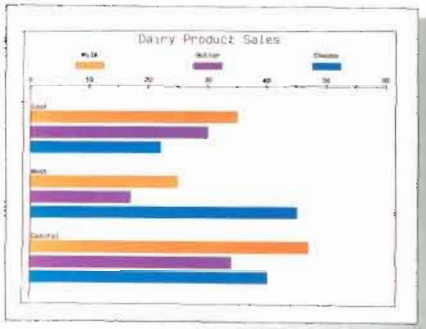


HP graphics plotters are known worldwide for exceptional line quality. Hewlett-Packard sets high standards for resolution and repeatability, so curves and circles are smooth, diagonal lines are straight, and letters are crisp.

Yes, line quality is essential — and so is speed. Fast turnaround time is important in the office, factory, or lab, where time is limited. HP plotters give you the high-quality graphics you need *when* you need them — in just minutes.

Reliability is another sign of HP quality. HP plotters are built to last, so maintenance costs are low. And if your HP plotter should need service, Hewlett-Packard has over 180 service facilities in 31 countries.

Clearly written user manuals that follow a practical, task-oriented approach reflect HP's concern for quality. You can count on HP quality, every step of the way.



**Creating this plot took:**

- HP 7550A 1½ minutes
- HP 7475A 3¼ minutes
- HP ColorPro 3½ minutes

**Convenient** — HP's multiple-pen plotters make multicolor graphics easy. The HP 7475A offers a 6-pen carousel; both the ColorPro and the HP 7550A plotters use 8-pen carousels. To keep inks fresh and lengthen pen life, all HP plotters have automatic pen capping.

**Adaptable** — HP plotters interface with virtually all personal computers and can also be connected to mini or mainframe computers and technical workstations. The operating manual shipped with each plotter offers step-by-step interfacing instructions.

**Versatile** — HP plotters offer a choice of media types and sizes. A handy matrix on the back cover lists the media and pen capabilities of each plotter.



**Top-quality supplies**

Your ideas and effort deserve the best — and that means HP supplies for your HP plotter. HP supplies are designed to provide optimum performance on HP plotters. For example, HP's overhead transparency film has a special surface that allows ink to dry in seconds; and HP's glossy presentation paper makes colors look especially rich and vibrant.

**Solid software support**

Hewlett-Packard plotters are supported with software packages for personal, desktop, mini, and mainframe computers. You'll find integrated packages with graphics such as 1-2-3® and Symphony® from Lotus®, plus Framework®; presentation graphics packages such as Chart-Master®, Freelance, Graphics Gallery, TELLAGRAF, and Harvard Graphics; computer-aided design/drafting packages such as AutoCAD™ and VersaCAD; scientific/statistical analysis packages such as SAS/GRAPH® and SPSS Graphics; plus many more. Your HP representative can provide more complete software information.

**When you think graphics, think HP**

When it comes to graphics plotters, HP is clearly the quality choice. Firmly committed to technological excellence and innovation, Hewlett-Packard has a worldwide, time-proven reputation for quality and reliability.

1-2-3®, Symphony®, and Lotus® are U.S. trademarks of Lotus Development Corp. Framework® and ChartMaster® are U.S. trademarks of Ashton-Tate. AutoCAD™ is a U.S. trademark of Autodesk, Inc. SAS/GRAPH® is a U.S. trademark of SAS Institute, Inc.

**Methods of Preparing Overhead Transparencies**

|  | HP Plotter | Black & White Dot Matrix Printer | Hand-drawn by User | In-house Art Dept. | Outside Graphics Service |
|--|------------|----------------------------------|--------------------|--------------------|--------------------------|
| Color Overhead Transparency Capability | ●          |                                  | ●                  | ●                  | ●                        |
| Smooth Lines                           | ●          |                                  |                    | ●                  | ●                        |
| Crisp Lettering                        | ●          |                                  |                    | ●                  | ●                        |
| Confidentiality                        | ●          | ●                                | ●                  | ●                  |                          |
| Fast Turnaround                        | ●          | ●                                | ●                  |                    |                          |
| Reasonable Cost per Overhead           | ●          | ●                                | ●                  |                    |                          |

# The ColorPro plotter offers a compact business design— plus traditional HP quality!

Ideally suited for the business professional, HP's ColorPro plotter lets you give every presentation the extra quality edge you demand. While others may be satisfied with black-and-white printer output, your presentations will stand out with ColorPro's high-quality 8½ × 11 in.\* overhead transparencies. And to add color and variety to written reports, use the HP ColorPro plotter to create fast, vivid graphics on notebook-size paper.

Quality graphics created with the ColorPro plotter help convey your message faster, and with more impact. Graphics help your audience see relationships, discern trends, and draw conclusions. Use text-only overheads to highlight key points in your presentation.

## Graphics at your fingertips

With a ColorPro plotter on your graphics team, you can save the time and money of having an outside graphics service prepare your overheads. And data remains confidential when your ColorPro plotter does the job.

## Colors add vitality

Color begins with pens — and the ColorPro's 8-pen carousel provides you with easy access to HP's spectrum of 10 fiber-tip pens for paper and for transparency film, each available in two line widths. With the ColorPro plotter, every chart has that finished, professional look of multicolor graphics on quality media.

## Compact design — little things mean a lot

Like all HP plotters, the ColorPro plotter is solidly built, with your needs in mind. Its lightweight, compact design makes the ColorPro plotter ideal for handy desktop use with your personal computer.

## Designed to work with your computer

From the Apple Macintosh to the IBM PC, the Compaq Deskpro to the HP Vectra — whatever your personal computer, chances are excellent that the ColorPro plotter will fit neatly into your system. Choose between the HP-IB (IEEE 488-1978) or the RS-232-C/CCITT V.24 interface.

\*8½ × 11 in. is A size; 210 × 297 mm is A4 size.



## Accessory cartridge boosts graphics power

When your graphics needs expand, a ROM cartridge slot lets the ColorPro plotter keep up with your changing needs (such as emerging graphics standards). The Graphics Enhancement Cartridge, available as an accessory, adds more advanced capabilities to your ColorPro plotter, such as a larger RS-232-C buffer and handshaking similar to the HP 7475A (see the chart below right). Although most software written for the HP 7475A will run on the ColorPro plotter, the addition of the Graphics Enhancement Cartridge lets you run virtually any software program written for the HP 7475A — particularly packages for technical applications and mainframe graphics — on your ColorPro plotter.

## All in all . . .

Presentation materials you'll be proud to display — impressive full-color overhead transparencies and high-quality report graphics — can be yours with the ColorPro plotter.



|                              |   |   |
|------------------------------|---|---|
| <b>Media Sizes</b>           | 210 × 297 mm (ISO A4)   | 8½ × 11 in. (ANSI A)                                  |
| <b>Pens</b>                  | 8 in carousel; automatic pen changing and capping   |   |
| <b>Number</b>                | Fiber tip (paper or transparency)   |   |
| <b>Type</b>                  |   |   |
| <b>Media</b>                 | Paper (regular or glossy), overhead transparency film   |   |
| <b>Resolution</b>            | Smallest addressable step size  |   |
|                              | 0.025 mm (0.001 in.)  |   |
| <b>Repeatability</b>         | With a given pen  |   |
|                              | 0.1 mm (0.004 in.)  |   |
| <b>Pen Velocity</b>          | Pen down  |   |
|                              | Maximum — approx. 40.0 cm/s (15.7 in./s)  |   |
|                              | Programmable — approx. 1.0 to 40.0 cm/s (0.4 to 15.7 in./s) in increments of 1.0 cm/s   |   |
|                              | Pen up  |   |
|                              | Approx. 52.0 cm/s (20.5 in./s)  |   |
| <b>Acceleration</b>          | Maximum — approx. 1.2 g's   |   |
| <b>Character Sets</b>        | 5 sets — ANSI ASCII, French/German, HP 9825 Character Set, Scandinavian, Spanish/Latin American   |   |
| <b>Maximum Plotting Area</b> | Pen axis  |   |
|                              | Paper axis  |   |
|                              | 191 mm (7.5 in.) for A4 and A   | 272 mm (10.7 in.) for A4      257 mm (10.1 in.) for A |
| <b>Interfaces</b>            | HP-IB (IEEE 488-1978)   |   |
|                              | RS-232-C/CCITT V.24   |   |
|                              | Parallel interface which follows the IEEE 488-1978 standards.   |   |
|                              | Asynchronous serial ASCII with switch-selectable baud rates of 75, 110, 150, 200, 300, 600, 1200, 2400, 4800, and 9600. 60-byte buffer. |   |
| <b>Power Requirements</b>    | Source*   |   |
|                              | Frequency   |   |
|                              | Consumption   |   |
|                              | 100, 120, 220, 240 V ~ -10%, +5%  |   |
|                              | 48 — 66 Hz  |   |
|                              | 20 W maximum  |   |
|                              | *Specific voltage depends on plotter destination.   |   |
| <b>Environmental Range</b>   | Operating   |   |
|                              | Temperature   |   |
|                              | Relative humidity   |   |
|                              | Nonoperating  |   |
|                              | Temperature   |   |
|                              | 0°C to 55°C   |   |
|                              | 5% to 95% (at 40°C)   |   |
|                              | -40°C to 75°C   |   |
| <b>Size</b>                  | Height  |   |
|                              | Width   |   |
|                              | Depth   |   |
|                              | 125 mm (4.9 in.)  |   |
|                              | 460 mm (18.1 in.)   |   |
|                              | 308 mm (12.1 in.)   |   |
| <b>Weight</b>                | Net   |   |
|                              | Shipping  |   |
|                              | 5.5 kg (12.0 lb)  |   |
|                              | Approx. 8.6 kg (19.0 lb)  |   |
| <b>Certifications</b>        | FCC certified to conform to limits set for radio frequency interference when used with a Class B computing device.                      |   |
|                              | Meets or exceeds IEC-380, IEC-435, and UL-478.  |   |

## Comparison between the ColorPro Plotter and the Cartridge-Enhanced ColorPro Plotter

| Description  | ColorPro Plotter  | Cartridge-Enhanced ColorPro Plotter                     |
|--|---|---|
| Model  | HP 7440A  | HP 7440A with HP 17440A                                 |
| Character sets                                     | 5 sets  | 19 sets — Similar to HP 7475A                           |
| HP-GL (Hewlett-Packard Graphics Language) commands | 44 commands   | 58 commands (similar to HP 7475A) plus polygon commands |
| RS-232-C handshaking                               | Reduced implementation of escape sequences compared to HP 7475A | Handshaking protocols similar to HP 7475A               |
| RS-232-C buffer                                    | 60 bytes  | Default — 1024 bytes, programmable to 1974 bytes        |
| No eavesdrop capability for either version.        |   |   |

# The versatile HP 7475A plotter — ideal for both business and PC CAD!

When you need 11 × 17 in.\* drawings, you need the HP 7475A graphics plotter. This 6-pen plotter produces fast, high-quality graphics in both 8½ × 11 in.\*\* and 11 × 17 in. sizes, and on a variety of media — including polyester drafting film.

The HP 7475A is ideal for business or PC-CAD professionals who need the larger 11 × 17 in. drawings for PERT charts, flow charts, project schedules, Gantt charts, and design applications.

And when you need to *present* your findings, the HP 7475A is there to generate quality overhead transparencies for your presentation, and colorful summary charts for handouts and reports.

## 11 × 17 in. drafting capability

Whether you need quick working drawings or drafting-quality final drawings, the HP 7475A is ready when you are. Use the HP 7475A to create clear CAD drawings on durable double-matte polyester film using liquid-ink pens — ideal for frequently handled master copies.

## Compatible with your PC

The HP 7475A is compatible with all major personal computers including HP's Vectra, IBM PC (XT and AT) and compatibles, and Apple's Macintosh. The HP 7475A interfaces easily with

your minicomputer, mainframe, or smart instrument, and offers a choice of two interface options — the HP-IB (IEEE 488-1978) or RS-232-C/CCITT V.24. And with the optional eavesdrop cable, you can connect the RS-232-C plotter in series with a computer and a terminal.

## Designed for versatility

With the HP 7475A's front panel, you can quickly change the size of the drawing area when switching media sizes. If your chart would look better in a vertical format, use the front-panel keys to rotate the chart 90 degrees. You can also digitize charts from the front panel.

\*11 × 17 in. is B size; 297 × 420 mm is A3 size.  
\*\*8½ × 11 in. is A size; 210 × 297 mm is A4 size.



## Special programming features

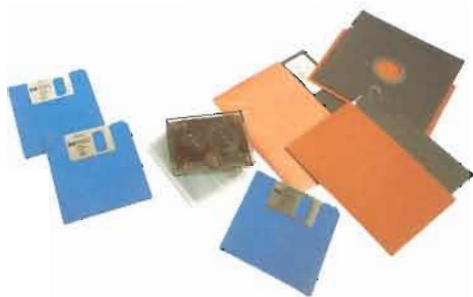
If you create your own custom programs, you'll be glad to learn that the HP 7475A contains over 50 HP-GL (Hewlett-Packard Graphics Language) instructions to control such functions as arc and circle generation, and area fill in bar and pie charts. Plus, the HP 7475A has 19 internal character sets, including ANSI ASCII, ISO European sets, and Katakana.

## Plenty of software

If you prefer to use existing software packages, you'll have lots to choose from. The HP 7475A is supported on all major packages for a broad spectrum of technical and business applications for personal, technical desktop, mini, and mainframe computers. As a matter of fact, the HP 7475A is one of the world's most widely supported plotters.

## In short ...

With the HP 7475A you get presentation graphics, drafting capability, and two media sizes — plus HP quality and reliability.



|                              |  |  |
|------------------------------|--|--|
| <b>Media Sizes</b>           | 210 × 297 mm (ISO A4)<br>297 × 420 mm (ISO A3)   | 8½ × 11 in. (ANSI A)<br>11 × 17 in. (ANSI B) |
| <b>Pens</b>                  | 6 in carousel; automatic pen changing and capping  |  |
| <b>Number</b>                | 6  |  |
| <b>Type</b>                  | Fiber tip (paper or transparency), refillable short-body drafting  |  |
| <b>Media</b>                 | Paper (regular or glossy), overhead transparency film, double-matte polyester film   |  |
| <b>Resolution</b>            | Smallest addressable step size: 0.025 mm (0.001 in.)   |  |
| <b>Repeatability</b>         | With a given pen: 0.1 mm (0.004 in.)   |  |
| <b>Pen Velocity</b>          | Pen down: Maximum — approx. 38.1 cm/s (15.0 in./s)<br>Programmable — approx. 0.4 to 38.1 cm/s (0.2 to 15.0 in./s) in increments of 0.4 cm/s  |  |
|                              | Pen up: 50.8 cm/s (20.0 in./s)   |  |
| <b>Acceleration</b>          | Maximum — approx. 2 g  |  |
| <b>Character Sets</b>        | 19 sets, including French/German, HP 9825 Character Set, Roman Extensions, Scandinavian, Spanish/Latin American, and the following ISO-registered sets: ANSI ASCII (006), French (025), German (021), International Reference Version (002), Italian (015), JIS ASCII (014), Katakana (013), Norwegian I (060), Norwegian II (061), Portuguese (016), Spanish (017), Swedish (010), Swedish for Names (011), United Kingdom (004). |  |
| <b>Maximum Plotting Area</b> | Pen axis: 275 mm (10.8 in.) for A4/A3      258 mm (10.2 in.) for A/B<br>Paper axis: 402 mm (15.8 in.) for A3      414 mm (16.3 in.) for B<br>192 mm (7.6 in.) for A4      198 mm (7.8 in.) for A   |  |
| <b>Interfaces</b>            | HP-IB (IEEE 488-1978): Parallel interface which follows the IEEE 488-1978 standards.<br>RS-232-C/CCITT V.24: Asynchronous serial ASCII with switch-selectable baud rates of 75, 110, 150, 200, 300, 600, 1200, 2400, 4800, and 9600. External clock input capabilities with intermediate baud rates of up to 9600 baud. 1024 byte buffer. (Eavesdrop cable available separately.)  |  |
| <b>Power Requirements</b>    | Source*: 100, 120, 220, 240 V ~ -10%, +5%<br>Frequency: 48 — 66 Hz<br>Consumption: 35 W maximum<br><i>*Specific voltage depends on plotter destination.</i>  |  |
| <b>Environmental Range</b>   | Operating: Temperature: 0°C to 55°C<br>Relative humidity: 5% to 95% (at 40°C)<br>Nonoperating: Temperature: -40°C to 75°C  |  |
| <b>Size</b>                  | Height: 127 mm (5.0 in.)<br>Width: 568 mm (22.4 in.)<br>Depth: 367 mm (14.5 in.)   |  |
| <b>Weight</b>                | Net: 7.0 kg (15.0 lb)<br>Shipping: Approx. 11.0 kg (24.0 lb)   |  |
| <b>Certifications</b>        | FCC certified to conform to limits set for radio frequency interference when used with a Class B computing device.<br>Meets or exceeds IEC-380, IEC-435, UL-478, and CSA C22.2 No. 154.  |  |

# For peak performance with automatic sheet feed, choose the HP 7550A plotter

The high-performance HP 7550A handles advanced graphics needs with ease, either for groups sharing a plotter or for high-volume individual users. The HP 7550A provides fast, top-quality 8½ × 11 in. and 11 × 17 in.\* color graphics for both business and technical applications.

## HP's fastest plotter is also simple to use

Plotting is quick and easy, with the HP 7550's unsurpassed acceleration and pen speed. The HP 7550A draws at the rate of 80 cm/second (31.5 in./sec) in any direction, and produces lettering in a flash — 8 to 10 characters per second, depending on character size.

The HP 7550A's automatic sheet feed eliminates manual handling of paper and transparencies. You're free for other tasks while the HP 7550A creates up to 150 paper graphics or 100 overhead transparencies.

To keep operation simple, the HP 7550A automatically senses the carousel type in use and adjusts pen speed and force accordingly. Plus, the HP 7550A automatically senses media size to set plot boundaries, and always caps pens after use for long pen life.

The front panel's liquid crystal display shows plotter status; use the front-panel

keys to change various parameters, such as size of plotting area or plot orientation.

## Works with your hardware and software

Dual interfaces — an HP-IB (IEEE 488-1978) port and two RS-232-C/CCITT V.24 ports — let you adapt the HP 7550A to a variety of system environments. Connect the HP 7550A either directly to your computer, or in series (eavesdrop) between your computer and terminal, thus saving a computer port.

\*8½ × 11 in. is A size; 210 × 297 mm is A4 size.  
11 × 17 in. is B size; 297 × 420 mm is A3 size.





In addition to multiuser application software support from Computer Associates, SAS, and others, the HP 7550A is supported on local area network systems such as EtherSeries by 3Com Corp. and Netware/S-Net by Novell, Inc.

## Designed for top quality output

With line quality comparable to HP's large-format drafting plotters, the HP 7550A is ideal for both working and final drawings in small-format CAD applications. Addressable resolution of 0.025 mm (0.001 in.) and mechanical resolution of 0.006 mm (0.00025 in.) ensure that the HP 7550A produces smooth, clean circles and arcs and straight, uniform lines. Its precise repeatability means that beginning and end points of a figure will match to within 0.1 mm (0.004 in.), so edges align, filled areas are even, and characters are precise.

## A full array of media choices

HP 7550A users can select from paper, vellum, and polyester film in either 8½ × 11 in. and 11 × 17 in. sizes, plus 8½ × 11 in. overhead transparency film. For the 8-pen carousel, choose fiber-tip paper or transparency pens, roller-ball pens, or liquid-ink drafting pens (disposable or refillable).

## Productivity tools for programmers

The powerful HP-GL (Hewlett-Packard Graphics Language) instruction set includes more than 80 instructions, such as polygon fill. Define and store your own character set for future use. Or access any of the 20 character sets (in either of two fonts).

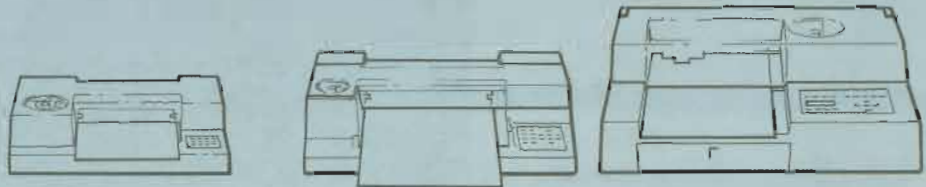
## To sum up . . .

Automatic sheet feed, high acceleration and speed, premium line quality, a full range of media choices — when you need top-quality graphics in quantity, get the HP 7550A.

|  |   |  |
|--|---|--|
| <b>Media Sizes</b>   | 210 × 297 mm (ISO A4)<br>297 × 420 mm (ISO A3)  | 8½ × 11 in. (ANSI A)<br>11 × 17 in. (ANSI B)                                     |
| <b>Pens</b><br>Number<br>Type  | 8 in carousel; automatic pen changing and capping<br>Fiber tip (paper or transparency), roller-ball, long-body drafting (refillable or disposable)  |  |
| <b>Media</b>   | Paper (regular* or glossy), overhead transparency film*, double-matte polyester film, vellum<br><i>*Can be fed automatically</i>  |  |
| <b>Resolution</b><br>Smallest addressable step size  | 0.025 mm (0.001 in.)  |  |
| <b>Repeatability</b><br>With a given pen   | 0.1 mm (0.004 in.)  |  |
| <b>Pen Velocity</b><br>Pen down<br><br>Pen up  | Maximum — 80.0 cm/s (31.5 in./s)<br>Programmable — 1.0 to 80.0 cm/s (0.4 to 31.5 in./s) in increments of 1.0 cm/s<br>From front panel — 10.0 to 80.0 cm/s (4.0 to 31.5 in./s) in increments of 5.0 cm/s<br>80.0 cm/s (31.5 in./s)   |  |
| <b>Acceleration</b><br>Maximum<br>Programmable   | Approx. 6 g<br>Approx. 1 to 6 g in increments of 1 g  |  |
| <b>Character Sets</b>  | 20 sets, each in 2 character fonts, including French/German, HP 9825 Character Set, Roman Extensions, Scandinavian, Spanish/Latin American, Special Symbols, and the following ISO-registered sets: French (025), German (021), International Reference Version (002), Italian (015), JIS ASCII (014), Katakana (013), Norwegian I (060), Norwegian II (061), Portuguese (016), Spanish (017), Swedish (010), Swedish for Names (011), United Kingdom (004), US ASCII (006) |  |
| <b>Maximum Plotting Area</b><br>Pen axis<br>Paper axis   | 272 mm (10.7 in.) for A4/A3<br>399 mm (15.7 in.) for A3<br>190 mm (7.5 in.) for A4  | 254 mm (10.0 in.) for A/B<br>411 mm (16.1 in.) for B<br>196 mm (7.7 in.) for A   |
| <b>Interfaces</b><br>HP-IB (IEEE 488-1978)<br>RS-232-C/CCITT V.24  | Parallel interface which follows the IEEE 488-1978 standards<br>Asynchronous serial ASCII with front panel selectable baud rates of 75, 110, 150, 200, 300, 600, 1200, 2400, 4800, and 9600. External clock input capabilities with intermediate baud rates of up to 9600 baud.   |  |
| <b>Power Requirements</b><br>Source*<br>Frequency<br>Consumption<br><i>*Specific voltage depends on plotter destination.</i> | 100, 120, 220, 240 V ~ -10%, +5%<br>48 — 66 Hz<br>100 W maximum   |  |
| <b>Environmental Range</b><br>Operating<br>Nonoperating  | 0°C to 55°C<br>-40°C to 75°C  |  |
| <b>Size</b><br>Height<br>Width<br>Depth  | 215 mm (8.5 in.)<br>670 mm (26.4 in.)<br>With A4/A loading tray/No catcher<br>With A4/A loading tray/A4/A catcher<br>With A3/B loading tray/No catcher<br>With A3/B loading tray/A3/B catcher   | 432 mm (17.0 in.)<br>682 mm (26.8 in.)<br>635 mm (25.0 in.)<br>896 mm (35.3 in.) |
| <b>Weight</b><br>Net<br>Shipping   | Approx. 17.3 kg (38.0 lb)<br>Approx. 25.0 kg (55.0 lb)  |  |
| <b>Certifications</b>  | FCC certified to conform to limits set for radio frequency interference when used with a Class B computing device.<br>Meets or exceeds IEC-380, IEC-435, UL-478, and CSA C22.2 No. 154.   |  |
| <b>Buffer Size</b><br>(user partitionable)   | Default (physical I/O buffer)<br>From the program, expandable to ~12 K-bytes  | 1024 bytes   |
| <b>Automatic Sheet Feeder</b> (HP paper and transparency film are recommended.)  |   |  |
| <b>Media sizes</b>   | 210 mm × 297 mm (ISO A4)<br>(A3/B-size automatic sheet feeder is available separately.)   | 8½ × 11 in. (ANSI A)   |
| <b>Environmental Range</b><br>Operating<br><br>Nonoperating  | Paper: 10°C to 40°C, 20 to 80% RH<br>Transparency film: 15°C to 35°C, 25 to 75% RH<br>Paper: -40°C to 75°C<br>Transparency film: -40° to 75°C   |  |

# Ordering Information

## HP's Small-format Graphics Plotters



| Facts at a Glance | HP ColorPro Plotter                             | HP 7475A   | HP 7550A   |
|-------------------|---|--|--|
| Number of Pens    | 8   | 6  | 8  |
| Media Sizes       | 8½ × 11 in. (210 × 297 mm)                      | 8½ × 11 in. (210 × 297 mm)<br>11 × 17 in. (297 × 420 mm) | 8½ × 11 in. (210 × 297 mm)<br>11 × 17 in. (297 × 420 mm)                                   |
| Media Types       | Paper, transparency film                        | Paper, transparency film,<br>polyester film              | Paper*, transparency film*,<br>vellum, polyester film<br><i>*Can be fed automatically.</i> |
| Pen Speed         | 40.0 cm/s                                       | 38.1 cm/s  | 80 cm/s  |
| Pen Acceleration  | 1.2 g   | 2 g  | 6 g  |
| Interfaces        | RS-232-C/CCITT V.24 or<br>HP-IB (IEEE 488-1978) | RS-232-C/CCITT V.24 or<br>HP-IB (IEEE 488-1978)          | RS-232-C/CCITT V.24 and<br>HP-IB (IEEE 488-1978)   |

## HP ColorPro Plotter

| Accessories Supplied   | Cables Available (Must be ordered separately)  |                                     |                         |                               |
|--|--|-------------------------------------|-------------------------|-------------------------------|
| Operating Manual<br>Plotter paper sampler, A4/A size*<br>Transparency film sampler, A4/A size*<br>An assortment of fiber-tip pens for paper and transparency, in various colors<br>8-pen carousel for fiber-tip pens (paper or transparency)<br>Power supply (based on plotter destination)<br><i>*Plotter destination determines whether metric size (A4) or English size (A) will be sent.</i> | Computer System  | HP Part No.                         | Length                  | Cable Type                    |
| <b>Accessories Available</b><br>(Items listed below must be ordered separately)<br>Description      HP Part No.<br>Programming Manual (includes information on Graphics Enhancement Cartridge; available in English only)      HP 07440-90001<br>Graphics Enhancement Cartridge      HP 17440A   | HP Vectra PC with HP 24540A serial/parallel interface card OR with HP 24541A dual serial interface card using 9-pin connector  | HP 24542G                           | 3.0 m                   | F—M RS-232-C/CCITT V.24 cable |
|  | HP Vectra PC with HP 24541A dual serial interface card using 25-pin connector  | HP 17255M or HP 13242G              | 1.5 m<br>5.0 m          | M—M RS-232-C/CCITT V.24 cable |
|  | HP Series 100, TI Pro, Wang PC, AT&T PC 7300   | HP 17255M or HP 13242G              | 1.5 m<br>5.0 m          | M—M RS-232-C/CCITT V.24 cable |
|  | HP Series 100 with HP-IB/IEEE-488 interface  | HP 10833A<br>HP 10833B<br>HP 10833C | 1.0 m<br>2.0 m<br>3.0 m | HP-IB/IEEE-488 cable          |
|  | IBM Personal System/2, PC, and PC/XT; Compaq; AT&T 6300  | HP 17255D                           | 1.5 m                   | F—M RS-232-C/CCITT V.24 cable |
| <b>Interface Options</b> (Computer interface cable not included)<br>Description      HP Part No.<br>ColorPro plotter with RS-232-C/CCITT V.24 interface      HP 7440A, Option 001<br>ColorPro plotter with HP-IB (IEEE 488-1978) interface      HP 7440A, Option 002   | IBM AT with 9-pin connector  | HP 24542G                           | 1.5 m                   | F—M RS-232-C/CCITT V.24 cable |
|  | IBM AT with 25-pin connector   | HP 17255M or HP 13242G              | 1.5 m<br>5.0 m          | M—M RS-232-C/CCITT V.24 cable |
|  | Apple Macintosh SE and Macintosh Plus (both require Apple Peripheral Adapter, Apple P/N M0199, in addition to HP 92219M cable) | HP 92219M plus Apple P/N M0199      | 1.5 m                   | M—M RS-232-C/CCITT V.24 cable |
|  | Apple Macintosh  | HP 92219M                           | 1.5 m                   | M—M RS-232-C/CCITT V.24 cable |
|  | Apple file   | HP 17355M                           | 3.0 m                   | M—M RS-232-C/CCITT V.24 cable |

## HP 7475A Plotter

| Accessories Supplied  | Cables Available (Must be ordered separately)   |             |        |                               |
|---|---|-------------|--------|-------------------------------|
| Operating Manual<br>Plotter paper sampler, A4/A size*<br>Transparency film sampler, A4/A size*<br>An assortment of fiber-tip pens for paper and transparency, in various colors | Computer System   | HP Part No. | Length | Cable Type                    |
|   | HP Vectra PC with HP 24540A serial/parallel interface card OR with HP 24541A dual serial interface card using 9-pin connector | HP 24542G   | 3.0 m  | F—M RS-232-C/CCITT V.24 cable |



## HP 7475A Plotter (Cont.)

| Accessories Supplied (Cont.)   |                      | Cables Available (Cont.) (Must be ordered separately)  |                                     |                         |                           |
|--|----------------------|--|-------------------------------------|-------------------------|---------------------------|
| 8-pen carousel for fiber-tip pens (paper or transparency)<br>Power supply (based on plotter destination)<br>*Plotter destination determines whether metric size (A4) or English size (A) will be sent. |                      | Computer System  | HP Part No.                         | Length                  | Cable Type                |
|  |                      | HP Vectra PC with HP 24541A dual serial interface card using 25-pin connector  | HP 17255M or HP 13242G              | 1.5 m<br>5.0 m          | RS-232-C/CCITT V.24 cable |
|  |                      | HP Series 100, TI Pro, Wang PC, AT&T PC 7300   | HP 17255M or HP 13242G              | 1.5 m<br>5.0 m          | RS-232-C/CCITT V.24 cable |
| Accessories Available  |                      | HP Series 100 with HP-IB/IEEE-488 interface  | HP 10833A<br>HP 10833B<br>HP 10833C | 1.0 m<br>2.0 m<br>3.0 m | HP-IB/IEEE-488 cable      |
| (Items listed below must be ordered separately)  |                      | IBM Personal System/2, PC, and PC/XT, Compaq, AT&T 6300  | HP 17255D                           | 1.5 m                   | RS-232-C/CCITT V.24 cable |
| Description  | HP Part No.          | IBM AT with 9-pin connector  | HP 24542G                           | 1.5 m                   | RS-232-C/CCITT V.24 cable |
| Programming Manual (includes information on Graphics Enhancement Cartridge; available in English only)   | HP 07440-90001       | IBM AT with 25-pin connector   | HP 17255M or HP 13242G              | 1.5 m<br>5.0 m          | RS-232-C/CCITT V.24 cable |
| Graphics Enhancement Cartridge   | HP 17440A            | Apple Macintosh SE and Macintosh Plus (both require Apple Peripheral Adapter, Apple P/N M0199, in addition to HP 92219M cable) | HP 92219M plus Apple P/N M0199      | 1.5 m                   | RS-232-C/CCITT V.24 cable |
| Interface Options (Computer interface cable not included)  |                      | Apple Macintosh  | HP 92219M                           | 1.5 m                   | RS-232-C/CCITT V.24 cable |
| Description  | HP Part No.          | Apple IIe  | HP 17355M                           | 3.0 m                   | RS-232-C/CCITT V.24 cable |
| ColorPro plotter with RS-232-C/CCITT V.24 interface  | HP 7440A, Option 001 |  |                                     |                         |                           |
| ColorPro plotter with HP-IB (IEEE 488-1978) interface  | HP 7440A, Option 002 |  |                                     |                         |                           |






## HP 7550A Plotter

| Accessories Supplied  |                      | Cables Available (Must be ordered separately)   |   |                         |   |
|---|----------------------|---|---|-------------------------|---|
| Operating Manual<br>Plotter paper sampler, A4/A size*<br>Transparency film sampler, A4/A size*<br>An assortment of fiber-tip pens for paper and transparency, in various colors<br>8-pen carousel for fiber-tip pens (paper or transparency)<br>Power supply (based on plotter destination)<br>*Plotter destination determines whether metric size (A4) or English size (A) will be sent. |                      | Computer System   | HP Part No.                                 | Length                  | Cable Type  |
|   |                      | HP Vectra PC with HP 24540A serial/parallel interface card OR with HP 24541A dual serial interface card using 9-pin connector                 | HP 24542H                                   | 3.0 m                   | RS-232-C/CCITT V.24 cable   |
|   |                      | HP Vectra PC with HP 24541A dual serial interface card using 25-pin connector   | HP 17255D                                   | 1.5 m<br>5.0 m          | RS-232-C/CCITT V.24 cable   |
|   |                      | HP Series 100, TI Pro, Wang PC, AT&T PC 7300  | HP 17255D                                   | 1.5 m                   | RS-232-C/CCITT V.24 cable   |
| Accessories Available<br>(Items listed below must be ordered separately)  |                      | HP Series 100 with HP-IB/IEEE-488 interface   | HP 10833A<br>HP 10833B<br>HP 10833C         | 1.0 m<br>2.0 m<br>3.0 m | HP-IB/IEEE-488 cable  |
|   |                      | IBM Personal System/2, PC, and PC/XT, Compaq, AT&T 6300   | HP 17255F                                   | 1.5 m                   | RS-232-C/CCITT V.24 cable   |
|   |                      | IBM AT with 9-pin connector   | HP 24542H                                   | 3.0 m                   | RS-232-C/CCITT V.24 cable   |
| Description   | HP Part No.          | IBM AT with 25-pin connector  | HP 17255D                                   | 1.5 m                   | RS-232-C/CCITT V.24 cable   |
| Programming Manual (includes information on Graphics Enhancement Cartridge; available in English only)  | HP 07440-90001       | Apple Macintosh SE and Macintosh Plus (both require Apple Peripheral Adapter, Apple P/N M0199, in addition to HP 92219M and HP 92224F cables) | HP 92219M and HP 92224F and Apple P/N M0199 | 1.5 m<br>0.06 m         | RS-232-C/CCITT V.24 cable   |
| Graphics Enhancement Cartridge  | HP 17440A            | Apple Macintosh   | HP 92219M and HP 92224F                     | 1.5 m<br>0.06 m         | RS-232-C/CCITT V.24 cable<br>RS-232-C/CCITT V.24 cable (gender converter) |
| Interface Options (Computer interface cable not included)   |                      | Apple IIe   | HP 17355M                                   | 3.0 m                   | RS-232-C/CCITT V.24 cable   |
| Description   | HP Part No.          |   |   |                         |   |
| ColorPro plotter with RS-232-C/CCITT V.24 interface   | HP 7440A, Option 001 |   |   |                         |   |
| ColorPro plotter with HP-IB (IEEE 488-1978) interface   | HP 7440A, Option 002 |   |   |                         |   |

# Guide to Pens and Media

The chart directly below indicates the pens that can be used with different media, and on which plotters. The bottom chart shows the media sizes that are available for different plotters.

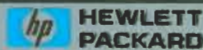
## Pens and Media

|  | Plotter Paper  | Glossy Paper*  | Transparency Film  | Vellum   | Polyester Film   |
|--|--|--|--|--|--|
|  Fiber-tip paper pens                | <ul style="list-style-type: none"> <li>■ ColorPro</li> <li>■ HP 7475A</li> <li>■ HP 7550A</li> </ul> | <ul style="list-style-type: none"> <li>■ ColorPro</li> <li>■ HP 7475A</li> <li>■ HP 7550A</li> </ul> |  |  |  |
|  Fiber-tip transparency pens         |  | <ul style="list-style-type: none"> <li>■ ColorPro</li> <li>■ HP 7475A</li> <li>■ HP 7550A</li> </ul> | <ul style="list-style-type: none"> <li>■ ColorPro</li> <li>■ HP 7475A</li> <li>■ HP 7550A</li> </ul> |  |  |
|  Roller-ball pens                    | <ul style="list-style-type: none"> <li>■ HP 7550A</li> </ul>   |  |  |  |  |
|  Refillable liquid-ink drafting pens |  |  |  | <ul style="list-style-type: none"> <li>■ HP 7550A</li> </ul> | <ul style="list-style-type: none"> <li>■ HP 7475A</li> <li>■ HP 7550A</li> </ul> |
|  Disposable liquid-ink drafting pens | <ul style="list-style-type: none"> <li>■ HP 7550A</li> </ul>   |  |  | <ul style="list-style-type: none"> <li>■ HP 7550A</li> </ul> |  |

## Media Sizes

|                                      | Plotter Paper  | Glossy Paper*  | Transparency Film  | Vellum   | Polyester Film   |
|--------------------------------------|--|--|--|--|--|
| A4 (210 × 297 mm)<br>A (8½ × 11 in.) | <ul style="list-style-type: none"> <li>■ ColorPro</li> <li>■ HP 7475A</li> <li>■ HP 7550A</li> </ul> | <ul style="list-style-type: none"> <li>■ ColorPro</li> <li>■ HP 7475A</li> <li>■ HP 7550A</li> </ul> | <ul style="list-style-type: none"> <li>■ ColorPro</li> <li>■ HP 7475A</li> <li>■ HP 7550A</li> </ul> | <ul style="list-style-type: none"> <li>■ HP 7550A</li> </ul> | <ul style="list-style-type: none"> <li>■ HP 7475A</li> <li>■ HP 7550A</li> </ul> |
| A3 (297 × 420 mm)<br>B (11 × 17 in.) | <ul style="list-style-type: none"> <li>■ HP 7475A</li> <li>■ HP 7550A</li> </ul>                     | <ul style="list-style-type: none"> <li>■ HP 7475A</li> <li>■ HP 7550A</li> </ul>                     |  | <ul style="list-style-type: none"> <li>■ HP 7550A</li> </ul> | <ul style="list-style-type: none"> <li>■ HP 7475A</li> <li>■ HP 7550A</li> </ul> |

\*For optimum output quality on glossy paper, HP recommends the use of transparency pens at a velocity of 10 cm/s.



Call your local HP sales office listed in the telephone directory white pages. Or write to Hewlett-Packard: **U.S.A. (East)** — 4 Choke Cherry Road, Rockville, MD 20860; **(Midwest)** 5201 Tollview Drive, Rolling Meadows, IL 60008; **(West)** 5161 Lankershim Boulevard, North Hollywood, CA 91601; **(South)** 2000 South Park Place, Atlanta, GA 30339; **Canada** — 6877 Goreway Drive, Mississauga, Ontario, Canada L4V 1M8; **Europe** — 150 Route du Nant-d'Avril, P.O. Box CH-1217 MEYRIN 2, Geneva, Switzerland; **Japan** — Yokogawa-Hewlett-Packard Ltd., 29-21, Takaido-Higashi 3-chome, Suginami-ku, Tokyo 168; **Australia/New Zealand** — 31-41 Joseph Street, Blackburn, Victoria 3130, Australia; **Far East** — 47F China Resources Bldg., 26 Harbour Road, Wanchai, Hong Kong; **Elsewhere in the world** — Hewlett-Packard Intercontinental, 3495 Deer Creek Road, Palo Alto, CA 94304, U.S.A.