



# Tech Info Library

## Color Plotter Model 410: Specifications (Discontinued)

Revised: 9/14/93  
Security: Everyone

Color Plotter Model 410: Specifications (Discontinued)

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### I. Technical Specifications

#### 1. Pens:

- a. Maximum active: 4 in head, software selectable
- b. Tips:
  - 1. Porous plastic for paper
  - 2. Fiber for transparency
- c. 8 colors: black, red, green, blue, violet, orange, gold, brown
- d. Liquid ink
- e. Velocity:
  - 1. Each axis: Pen up or down, max. 10 cm/sec (3.94 in./sec)
  - 2. Programmable: 1 to 10 cm/sec in 1 cm/sec increments
  - 3. Both axes driven to 45 degree line: Max. 14.12 cm/sec (5.56 in./sec)

#### 2. Plot:

- a. Maximum: X axis: 391.8 mm (15.4 in.); X axis: 257 mm (10.1)
- b. Minimum width: 115 mm (4.6 in.)
- c. Resolution: Smallest addressible step size: 0.1 mm (0.004 in.)
- d. Repeatability:
  - 1. With one pen: 0.2 mm (0.008 in.)
  - 2. Between pens: 0.4 mm (0.016 in.)
- e. Method: X-axis paper motion with Y-axis pen motion
- f. Driving method: Stepper motors

g. Relative position accuracy: + 1% + 0.3 mm

3. Media:

a. Paper or Apple Plotter Transparency Film

b. 9 software-selectable sizes:

a. Vertical

--Inches

1. 8.5 x 11 ANSI Size A

2. 11 x 17 ANSI Size B

--Millimeters

3. 297 x 420 DIN/JIS A3

4. 210 x 297 DIN/JIS A4

5. 250 x 353 DIN/JIS B4

6. 176 x 250 DIN/JIS B5

b. Horizontal

--Inches

1. 11 x 8.5 ANSI Size A

--Millimeters

2. 297 x 210 DIN/JIS A4

3. 250 x 176 DIN/JIS B5

c. Thickness:

mm in.

1. Maximum: 0.05 0.002

2. Minimum: 0.8 0.031

4. Seven Language font sets

a. English (U.S.)

b. English (U.K.)

c. German

d. French

e. Italian

f. Swedish

g. Spanish

5. Front panel controls:

a. Operate/Free (LED and switch)

b. Remote/Local (LED and switch)

c. Pen Select (switch - local mode only)

d. Pen Up/Down (switch - local mode only)

e. Pen Movement (switches - up, down, left, right)

- f. Clear (switch - Free mode only)
- g. Self test (switch - Free mode only)

6. Power requirements:

- a. 103.5-126.5 V 57-63 Hz
  - b. 200-250 V 48-52 Hz
- 33 watts maximum consumption

7. Interface:

- a. RS-232C asynchronous serial ASCII
- b. Hardware handshaking
- c. Switch-selectable baud rates:  
75, 150, 300, 600, 1200, 4800, or 9600
- d. Data format: 7 or 8 bit (switch selectable)
- e. Stop Bit: None, 1 1.5 or 2 (switch selectable)
- f. Parity: None, odd, or even

8. FCC Certification: Class B computing device

9. Physical

|           | mm  | in.  |
|-----------|-----|------|
| Height:   | 122 | 4.8  |
| Width:    | 412 | 16.2 |
| Depth:    | 300 | 11.8 |
|           | kg  | lb.  |
| Net:      | 6   | 13.2 |
| Shipping: | 10  | 22   |

10. Environmental requirements

a. Temperature

|               | Degrees    |           |
|---------------|------------|-----------|
|               | Fahrenheit | Celsius   |
| 1. Operating: | 41 to 104  | 5 to 40   |
| 2. Storage:   | -4 to 149  | -20 to 65 |

b. Humidity: 20 to 80% relative humidity at 40 degrees Celsius

## II. System Configuration

1. Computer: Apple II Plus, Apple IIe, Apple IIc, Apple III

a. For Apple II Plus and IIe:

--disk drive

--Super Serial Card

2. Video display

3. Apple Business Graphics users must have a driver installed with a PIK (Printer Interface Kit) disk.

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