



Tech Info Library

Apple Monochrome Monitor: Specifications (Discontinued)

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I. Technical Specifications

A. Picture Tube:

- 12-inch diagonal
- Phosphor EIA Type: P4 (White)
- High contrast
 - When used with Apple IIGS applications that generate color, it displays up to 16 shades of gray.
- Anti-glare
- Text display: 80 columns by 24 lines

B. Input Signal:

- Composite synchronous negative 1.0 +/- 0.5 volts peak to peak, internally terminated with 75 ohm resistor.

C. Scanning Frequencies:

| | System: NTSC/60 | NTSC/50-PAL/50 |
|----------------|-----------------|----------------|
| 1. Horizontal: | 15.734 kHz | 15.659 kHz |
| 2. Vertical: | 60 Hz | 50Hz |

D. Video Bandwidth:

- Less than 3 DB down at 12 MHz.

E. Resolution:

1. Apple IIGS: 640 horizontal by 200 vertical pixels
2. Apple IIc: 560 horizontal by 192 vertical pixels

F. Active video display area:

- Adjusted at the factory to produce an active video area of 215 mm horizontal by 160 mm vertical.
- Remainder of display area is used for border display area.

G. User Controls:

1. Power switch (right side)
2. Contrast (right side)
3. Brightness (back panel)
4. Vertical size (back panel)
5. Vertical hold (back panel)

H. Physical:

- | | mm | inches |
|------------|--------|-----------|
| 1. Height: | 255 | 10 |
| 2. Width: | 310 | 12.3 |
| 3. Depth: | 375 | 14.3 |
| 4. Weight: | 8.8 kg | 18 pounds |

I. Electrical

1. Power Requirements:
 - Less than 20 watts under normal viewing conditions.
 - 45 watts maximum.

2. Input Voltage:

| Model | Operating Range | Power Frequency |
|----------|-----------------|-----------------|
| a. 120 v | 108-132 | 50-60 Hz |
| b. 220 v | 198-242 | 50-60 Hz |
| c. 240 v | 216-264 | 50-60 Hz |

3. Fuse Protection:

- The monitor contains internal power line fuse protection. This fuse should be replaced with the same type by a qualified service technician.

3. Video Input Connector: RCA-style phono jack

J. Environmental (Operating):

- | | Degrees | |
|---------------------------|---------------------|------------|
| | Celsius | Fahrenheit |
| 1. Temperature (ambient): | 0-50 | 32-122 |
| 2. Humidity: | 90% maximum | |
| 3. Altitude: | 10,000 feet maximum | |

II. Part number: A2M6016

III. System Configuration

- Apple IIGS
- Apple IIc

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