

HEWLETT-PACKARD

HP 35741 Color Monitor

The HP 35741 Color Monitor is a 12" 640x400 resolution RGB analog color video display monitor. An excellent choice for use with your Hewlett-Packard computer system or workstation, the Color Monitor features an innovative ergonomic design and Hewlett-Packard quality and reliability at a competitive price. Support for the 35723 HP Touch Accessory is included as a standard feature of the Color Monitor. (The HP Touch Accessory must be purchased separately.)

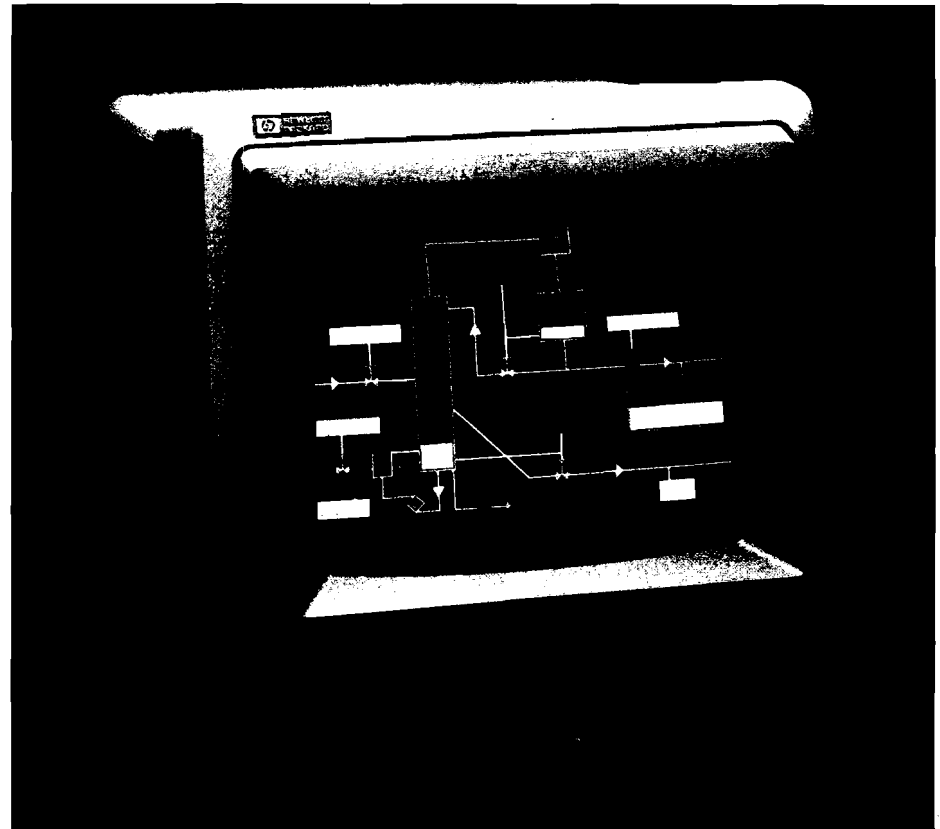
Ergonomic Design

The Color Monitor offers contemporary design with standard ergonomic features. The display is adjustable so that you can tilt and swivel the screen to get the best viewing angle. Separate brightness and contrast controls, conveniently located on the front panel of the monitor, allow you to adjust the display to the light level of your workplace.

Quality Display

The Color Monitor has an available resolution of 640 dots x 400 lines. The actual image produced on the screen depends on the graphics resolution of the computer system driving the monitor. Most Hewlett-Packard systems will generate a resolution of 512 x 390 or 640 x 400, while others may generate a different resolution. Consult your computer system literature to determine its resolution capability.

The Color Monitor uses an RGB standard persistence phosphor (P22) with a 0.31mm dot pitch. A continuous spectrum of colors is available from this analog Color Monitor (limited by the capabilities of the host system). To give you a more readable display, its 12" screen has been finely etched to reduce glare. The Color Monitor's 640 x 400 resolution, combined with its fine



0.31mm dot pitch and excellent convergence, allows you to display clean, sharp images in both graphics and alphanumeric.

The Color Monitor comes standard with an integral speaker for use by systems with audio output capability.

HP Touch Support

The Color Monitor provides, as a standard feature, the HP Human Interface Link (HP-HIL), enabling you to use the 35723 HP Touch Accessory. The system which the monitor is connected to must be able to interface with the HP Touch Accessory.

Installation of the HP Touch Accessory is quick and easy. You simply remove the bezel of the Color Monitor, connect a ribbon cable to the Monitor, then snap in the HP Touch Accessory!

Certain HP software has been specially enhanced to take advantage of HP Touch. Consult HP software listing for those programs which use HP Touch.

One Year Warranty

The Color Monitor continues the Hewlett-Packard tradition of quality and reliability. It comes with a full one year warranty. If the monitor should fail during the warranty period, the failed piece of equipment should be returned to an authorized HP Personal Computer Dealer Repair Center or an HP Field Repair center.

For more information see your local Hewlett-Packard authorized dealer or sales office.

Specifications

Display

CRT Type	90-degree, .31mm dot pitch black matrix tube non-glare etched screen, dark glass
Phosphor	RGB standard persistence (P22)
CRT Size	12" diagonal
Display Area	210(w) x 164(h)mm
Screen Capacity	640 dots x 400 lines
Audio Input	RCA Phono Jack (8 ohm internal speaker)
Colors	All Colors
Misconvergence	<= 0.3mm(center), 0.5mm(corners)
Display Linearity	<7% Non-linearity
Display Geometry	<1.5% Distortion

Video Input Signal

Type	Analog RGB, composite sync on green
Polarity	Negative sync
Level	0.8 VP-P Signal level (min.)
Input Impedance	75 ohms
Input Terminal	BNC

Electrical Performance

Video Bandwidth	35 Mhz (14ns rise & fall time, 5.4ns skew)
Horizontal Scan Frequency	24.9-25.8 KHz
Refresh Rate	60Hz (16.67ms)

Power Requirements

AC Power Req.	50 or 60 Hz (90-132V, 180-250V)
Power Consumption	65 Watts maximum

Physical Characteristics

Monitor Weight	13.9Kg
Monitor Dimensions	328(w) x 345(h) x 390(d)mm

Environmental Conditions

Parameter	Condition	Specification
Altitude	Operating	0 to 4600 meters (15000 ft)
	Non-operating	0 to 15300 meters (50000 ft)
Humidity	Operating	5-95% relative humidity at 40C (non-condensing)
	Non-operating	90% relative humidity at 65C (non-condensing)
Temperature	Operating	0C to +55C (+32F to +131F)
	Non-operating (storage)	-40C to +65C (-40F to +167F)

Product Regulations

Safety Approvals

35741A	UL Listed, CSA, IEC 380/435
35741B	TUV, NEMKO, SEV, FEI (pending)

Radio Frequency Interference

35741A	FCC Class B (pending)
35741B	VDE 0871 level B

X-Ray

German Standard	PTB License (pending)
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Ergonomics

German Standard	ZH1/618 (pending)
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HP35741 Ordering Information

35741A	Color Monitor for USA and Canada only <ul style="list-style-type: none"> • switch selectable voltage • includes U.S. power cord
35741BA	Color Monitor — switch selectable voltage <ul style="list-style-type: none"> • includes South African power cord
35741BB	Color Monitor — switch selectable voltage <ul style="list-style-type: none"> • includes European power cord
35741BK	Color Monitor — switch selectable voltage <ul style="list-style-type: none"> • no power cord included
35741BM	Color Monitor — switch selectable voltage <ul style="list-style-type: none"> • includes U.S. power cord
35741BQ	Color Monitor — switch selectable voltage <ul style="list-style-type: none"> • includes Swiss power cord
35741BU	Color Monitor — switch selectable voltage <ul style="list-style-type: none"> • includes U.K. power cord
35741BY	Color Monitor — switch selectable voltage <ul style="list-style-type: none"> • includes Danish power cord

Note: The 35741B versions are UL recognized, but not UL labeled.

Accessories

35723A	12 inch user installable touchscreen bezel. Installation instruction manual included.
92241A (46020-60001)	HP-HIL cable (consult literature of the HP system being used to determine if you need this cable.)

Horizontal and Vertical Sync Signals

