

MANUEL D'UTILISATION DU MONITEUR HEWLETT-PACKARD HP 82913A

FICHE N° 3919

PRÉSERVER
SAUVEGARDER
VALORISER

Période de fabrication : 1975-1999
Fabricant : Hewlett-Packard Company
Domaines : Chimie, Informatique et Communication
Sous-domaines : Chimie du solide, Ordinateurs
Organisme : Université de Rennes
Ville : Rennes
Modèle : HP 82913A
Matériaux : Papier

Description

Ce mode d'emploi de huit pages en anglais sur le moniteur HP 82913A a été édité par Hewlett-Packard en 1983. Il présente l'appareil, ses spécifications son installation et branchement sur l'ordinateur HP 86B, quelques contrôles et les différents boutons de réglage de l'écran.

Utilisation

Ce micro-ordinateur portable était utilisé dans un laboratoire de recherche en chimie du solide de la faculté des sciences de Rennes. Associé à un lecteur de disquette et à un moniteur externe, il pilotait une expérience de mesures de susceptibilité magnétique dans un ensemble d'instrumentation appelé "squid". Ce service général de magnétisme pouvait être accessible à l'ensemble des laboratoires de chimie et de physique de Rennes mais aussi pour effectuer des mesures pour des laboratoires externes. L'ensemble instrumental est maintenant exposé au public dans le grand hall de la faculté des sciences de Rennes.

OFF-ON-VOL: To turn the monitor on, rotate this knob clockwise. Power is turned off with a counter-clockwise rotation.

BRIGHTNESS: This control is used to adjust the display if it is not bright enough or if it is too bright.

CONTRAST: This control allows adjustment of the contrast between the green phosphor image and the background.

H HOLD: If the picture tears toward the left or right, or appears as diagonal stripes across the screen, the horizontal hold should be rotated clockwise or counterclockwise until the picture stabilizes.

V HOLD: If the picture rolls upward or downward, the vertical hold should be rotated clockwise or counterclockwise until the picture stabilizes.

75-OHM TERMINATION SWITCH: This switch should be set to 75 Ω when connected to equipment which has 75-ohm output impedance. The switch should be set to HIGH when connected to a higher output impedance or when using multiple monitors (refer to the installation diagrams).

VIDEO-IN and VIDEO-OUT Connectors: These connectors provide feed through of a video signal when it is desirable to display the video signal on more than one monitor. The composite video signal applied to the VIDEO-IN connector will also appear at the VIDEO OUT connector. The video signal from a computer should be fed to the VIDEO-IN connector using the video cable (HP part number 8120-3760).

AUDIO-IN and AUDIO-OUT Connectors: When applicable the audio signal from a computer should be fed to the AUDIO-IN connector using a shielded cable.

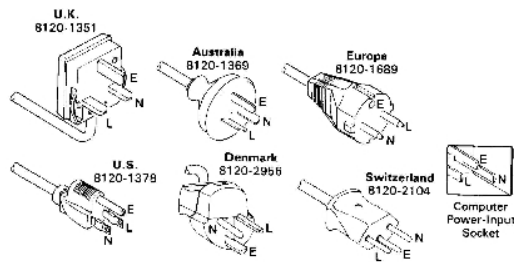
CAUTION

Damage to the screen could result if the same characters or graphics are shown for a long period of time with the BRIGHTNESS and CONTRAST controls set to maximum positions.

Note: Adjustments should always be made using the controls described first. If finer adjustments are required the following adjustments can be made on the back of the monitor by qualified service center personnel: V LIN (Vertical Linearity Adjustment), V HEIGHT (Vertical Height Adjustment), and SUB BRIGHT.

Power Cords

Power cords with different plugs are available for the video monitor. The part number of each cord is shown below.

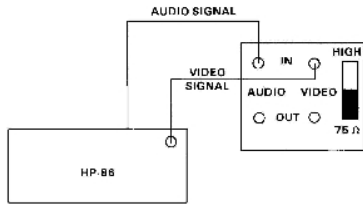


Installation

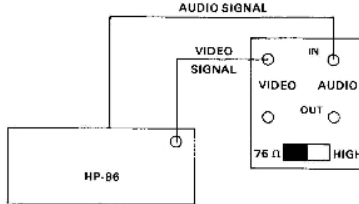
Note: The video monitor audio connectors are included in the installation diagrams for use in connecting a computer that has audio capabilities.

To connect **one video monitor** to your computer, feed the video signal from the computer to the VIDEO-IN connector. The termination switch on the back panel should be set to 75Ω. (Maximum video cable length is 150 meters.)

With an HP 82912A Video Monitor:

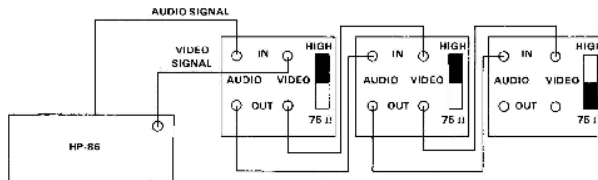


With an HP 82913A Video Monitor:

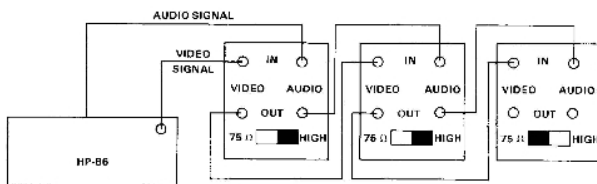


For **more than one display**, the termination switch should be set to HIGH on all video monitors except the last one. The switch on this last monitor should be set to 75Ω. Up to four displays can be connected.

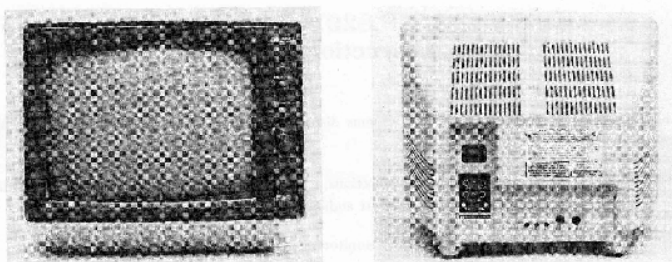
With an HP 82912A Video Monitor:



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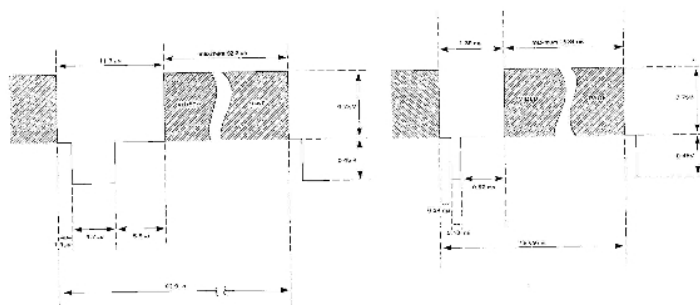
HP 82913A Video Monitor Specifications



Input Impedance	75 Ω or high-impedance, switchable.
Display Capacity	24 lines with 80 characters each.
Scanning Frequency	Horizontal: approximately 15.75 kHz. Vertical: approximately 60 Hz.
Power Supply	120 Vac $\pm$ 10% at 60 Hz. Option 001: 230 Vac $\pm$ 15%, $\pm$ 10% at 48-67 Hz.
Power Consumption	30W.
Dimensions	360 $\times$ 296 $\times$ 330 mm. 14.2 $\times$ 11.7 $\times$ 13.0 inches.
Weight	6.7 kg. 14.77 lbs.

Video Input Signal

The waveform and timing chart of recommended signals is as follows:



Horizontal Composite Waveform

Vertical Composite Waveform

HP 82912A/HP 82913A Video Monitor Instruction Sheet

The video monitor is a high resolution, monochrome display available with a 9-inch (HP 82912A) or 12-inch (HP 82913A) CRT.

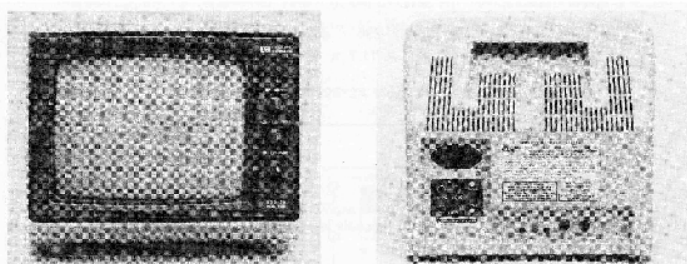
Features include a screen to reduce glare and reflections, a video bandwidth wide enough to display 24 lines of 80 characters each without distortion, and a 1-watt audio amplifier.

The following accessories are shipped with each monitor:

- Instruction Sheet.
- Power Cord.
- Warranty and Service Information Sheet.

Three registration cards are included with the HP 82913A Video Monitor (120 Vac only). Please take the time to fill them out. You should retain one for your records, return one to Hewlett-Packard, and leave one with your dealer.

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Display Capacity	24 lines with 80 characters each.
Scanning Frequency	Horizontal: approximately 15.75 kHz. Vertical: approximately 60 Hz.
Power Supply	120 Vac $\pm$ 10% at 60 Hz. Option 001: 230 Vac $\pm$ 15%, $-$ 10% at 48-67 Hz.
Power Consumption	28W.
Dimensions	270 $\times$ 225 $\times$ 261 mm. 10.6 $\times$ 8.9 $\times$ 10.3 inches.
Weight	4.8 Kg. 10.58 lbs.



Pour nous citer :

Base de la Mission nationale de sauvegarde et de valorisation du patrimoine scientifique et technique contemporain, PATSTEC, Manuel d'utilisation du moniteur Hewlett-Packard HP 82913A (Hewlett-Packard Company),
<https://www.patstec.fr/ressources/objets/detail?id=15937>, consulté le 2026-07-28