

# HEWLETT-PACKARD

## HP 700/22

### DEC VT220 Compatible Terminal

#### ANSI from HP

The HP 700/22 Display Terminal is the definitive choice for your ANSI applications. It combines Hewlett-Packard's renowned engineering capabilities with DEC VT220 terminal compatibility.

#### Designed for Compatibility

The HP 700/22 works with programs designed for DEC VT220, VT100 or VT52 terminals, as well as other applications that speak ANSI 3.64 protocol. You don't have to learn a new keyboard to use the HP 700/22, since its layout is the same as the DEC VT220 terminal. What's more, the keyboard has tactile feedback to give it a responsive touch. With 4 pages of memory, 30 programmable function keys and selectable 80 or 132 column display modes, the HP 700/22 has the features you need to make your job easier.

#### Superb Ergonomics

The HP 700/22 is fashioned with state-of-the-art ergonomics. Crisp characters are displayed on the 14-inch screen—available in soft white, amber and green phosphor. 72 Hz refresh rate enhances screen readability especially when displaying black characters on a white background. And the tilt and swivel mechanism lets you position the screen effortlessly. With the HP 700/22, you can experience the superior quality that has made HP terminals the top choice for four years in a row in Datapro's User Survey.†

#### Worldwide Support and Service

You can feel confident that, with one of the largest worldwide networks of sales and service offices in the computer industry, Hewlett-Packard is ready to meet all your display terminal needs.



#### Features

- **Compatibility Modes**
  - VT220 mode, 7-bit controls
  - VT220 mode, 8-bit controls
  - VT100 mode
  - VT52 mode
- **Ergonomics**
  - 14-inch anti-glare screen
  - Green, amber or soft white display
  - Tilt and swivel
  - Selectable 50, 60 or 72 Hz refresh rates
  - Front panel controls
  - Detached adjustable keyboard
- **Keyboard**
  - VT220 compatible 106-key layout
  - Tactile feedback
  - National language layouts available
- **Additional Features**
  - 80 or 132 column display
  - 4 pages of display memory
  - RS232C and 20ma current loop interfaces
  - 9-pin RS232C printer port
  - 30 programmable function keys
  - Compose character capability
  - Easy setup menus
  - Nonvolatile memory for saving setup, function key info
  - Jump or smooth scroll
  - 1 year warranty

*DEC VT220, VT100 and VT52 are products of Digital Equipment Corporation. ANSI refers to the American National Standards Institute.*

*† "User Ratings of Display Terminals and IVDTs," Datapro Report, 1983-86.*

## Compatibility

- DEC VT220, VT100, VT52

## Display

- CRT: Etched anti-glare, 14 in. dia. P31 Green, P194 Amber or P188 White phosphor.
- Format: 24 lines × 80 or 132 col. 25th line for status. Jump/smooth scroll.
- Character Generation: 7×11 character in a 9×14 cell with half-dot shift. Equivalent to an 18×14 cell for most characters.
- Character Sets: ASCII, line drawing, national, and user-definable.
- Cursor: Underline (blinking), block (blinking), or disabled.
- Display Enhancements: Reverse, underline, blink, bold, double high/double wide.
- Display Memory: Up to 4 pages.
- Screen Saver: 5, 10, 15 minutes or off.
- Refresh Rate: 50, 60, or 72 Hz.

## Keyboard

- Style: Detached, slant adjustable, low profile, coiled cable. Sculptured keys, tactile feedback.
- Layout: 106 key, VT220 compatible, national layouts available.
- Function Keys: 30 user programmable keys.
- Operation: Auto-repeat, N-key rollover.

## Data Communications

- Interface:
  - Port 1 - RS232C or 20mA current loop
  - Port 2 - RS232C 9-pin printer port.
- Baud Rates: 75 to 38.4k baud. Handshaking may be required.
- Handshaking: XON/XOFF
- Parity: None, odd, even, 1 and 0.

## Physical Characteristics

- Display:
  - (H×W×D): 330 mm × 330 mm × 330 mm, 8.8 Kg
- Keyboard:
  - (H×W×D): 35 mm × 468 mm × 198 mm, 1.85 Kg
- Keyboard Cable: Coiled 0.8m; Extended 3m

## Power Requirements

- Input Voltage: 100V to 240V at 50-60 Hz.
- Power Consumption: 35 watts (average)
- Thermal Dissipation: 110 BTU/hr.

## Environmental Conditions

- Temperature:
  - Operating: 0°C to 55°C
  - Non-operating: -40°C to 70°C
- Humidity:
  - Operating: 15% to 95% (40°C)
  - Non-operating: 90% (65°C)
- Shock: 105 g, 3 ms, 65 in./sec., ½ sine
- Vibration: Operating 5-500 Hz, .0001 g<sup>2</sup>/Hz amplitude, 10 min./axis

## Product Regulations

- Safety:
  - United States—UL Listed 478
  - Canada—CSA certified
  - Germany—VDE/TUV (GS) Mark
  - Finland—FEI approval pending
  - International—IEC 380/435
- RFI:
  - United States—FCC class A
  - Germany—VDE 0871 level B Mark pending
  - Japan—VCCI class 1
- DATACOMM:
  - CCITT V.24, V.28 Electrical Recommendations Approvals pending: Belgium, Germany, UK, and Finland.
- Ergonomics:
  - Germany—ZH 1/618 "Safety Regulations for Display Work places in the Office Sector"

## Ordering Information

- C1004A (amber display)
- C1004G (green display)
- C1004W (soft white display: black characters on white background)

## Required Localization Options:

ABA	U.S.
ABB	STD. EUROPE - U.S.*
ABD	GERMANY
ABF	FRANCE
ABR	REP. OF SO. AFRICA - U.S.*
ABS	SWEDEN
ABU	UK/IRELAND
ABZ	ITALY
ACC	UK/IRELAND - U.S.*
ACD	SWITZERLAND - U.S.*
ACE	DENMARK - U.S.*
ACF	JAPAN - U.S.*
ACG	AUSTRALIA - U.S.*

\* U.S. Keyboard, local power cord

## Non-required warranty option:

- W03 Convert 1 year warranty to 90 days on-site

*Technical information in this document is subject to change without notice.*

