



**data
systems**

Z-49 VIDEO DATA TERMINAL



**The Premium
Class Terminal
with Added
Performance
Features Over
the VT-100
Competition**

Advanced Productivity and Versatility from a Name You Can Trust for Quality

The Z-49 is Zenith's premier addition to its fine computer terminal line. This high quality entry features advanced capabilities plus compatibility with many ANSI terminals including the Digital Equipment VT-100/VT-52. It also supports almost all Zenith Data Systems Z-19/Z-29 features.

The numerous Z-49 attributes meet a full range of productive business demands. There are on-screen menus for easy selection of terminal configuration and a non-volatile memory to store these configurations. Nine function keys store up to 40 keystrokes each, plus there's a 40 keystroke programmable answerback message.

A dual position mechanism allows comfortable positioning

of the 14" diagonal monitor. And, an advanced display alternative offers 25 lines of either 80 or 132 columns.

The Z-49's sleek, low-profile typewriter-style tiltable keyboard also supports a calculator-type keypad and 9 special function keys which are programmable from the keyboard.

Both novice and experienced users will appreciate the user-friendliness, capabilities and control built into the innovative Z-49 terminal.

Quality, Compatibility and High Performance...Zenith's Z-49!

Valuable Video Capabilities

Zenith's new Chromagold™ amber or green phosphor 14" diagonal monitors display 256 different characters, printing and non-printing ASCII, Zenith graphics, VT-100 graphics, 32 special Greek characters and 7 foreign languages.

Enhanced contrast and a non-glare screen heighten viewing ease. Keyboard-controlled variable brightness permits viewing and display preference.

Exceptional Display Benefits Built-In

The Z-49's video displays 25 lines of 80- or 132-column crisply defined characters. Double-high, double-wide characters, reverse video, and smooth scrolling are standard display attributes.

A special "screen saver" prevents undesirable "burned in" images by turning off the display after 15 minutes of continuous non-activity.

Easy-to-Use Keyboard for Fast Operation

The comfortable low-profile keyboard with sculptured keys

and tilt-adjusting tabs is a definite user plus. Keys with the right amount of spring and an optionally-used "key-click" are imprinted with high visibility characters.

The easy-to-operate design features a typewriter-style layout and 9 programmable function keys. A calculator-type 14-key numeric keypad makes mathematical data entry simple.

Efficient Self-Diagnostics for Productivity

The Z-49 provides a self-test procedure that is performed every time the terminal is activated. An audible beep lets the user know that the Z-49 is functioning properly.

Zenith Data Systems Z-49 Specifications

DISPLAY

CRT: 14" (35.5cm) diagonal Chromagold™ amber or green phosphor. High contrast, non-glare.

Display Format: 25 lines of 80 characters; 25 lines of 132 characters.

Display Size: 8.75" H x 9.25" W (17.1cm x 23.5cm).

Character Size: 80 column—255" H x .12" W (6mm x 3mm); 132 column—255" H x .07" W (6mm x 1.8mm).

Character Set: Normal—128 characters; 95 printing ASCII, upper/lower, numeric, punctuation, 33 graphics. Alternative—128 characters; 32 non-printing ASCII graphics, 7 foreign character sets, 32 Greek characters, 32 VT-100 graphics.

Character Type: 80 column—10 x 12 cells; 132 column—8 x 12 cells.

Character Display: Double-high, double-wide per line; Double-wide per character, smooth scroll, and screen saver.

Cursor: Underline or reverse (solid) block; on, off, blinking.

Cursor Controls: Up, down, left, right, backspace, tab, back tab, home, carriage return, line feed, brightness.

Cursor Addressing: Relative or direct.

Refresh Rate: 50Hz or 60Hz.

Edit Function: Insert or delete character or line.

Erase Function: Erase page, line, to end of line, to beginning of line, to beginning of page, to end of page.

Video: Normal or reverse character; normal or underline character; variable character and background intensity; normal or blinking display.

KEYBOARD

Unit: 92-key detached; European DIN ergonomic standard; 6' (182cm) coiled cord.

PRINTER PORT

Port: RS-232 serial port VT-102 compatible.

Layout: 74-key typewriter (QWERTY); 18-key keypad including 9 programmable function keys; 8 LED indicators.

GENERAL

Processor: 6809 main, 6805 keyboard.

Interface: EIA RS-232C at baud rates of 50-19,200.

Mode: Half or full duplex (primary port); full duplex (AUX port).

Parity: Even, odd, mark, space, none.

Set-Up: On-screen menus for terminal configurations. Non-volatile memory for configuration and 40 keystroke programmable function keys and answerback.

Compatibility: ASCII conforming to ANSI x 3.4-1977. Digital Equipment VT-100, VT-52; Zenith Data Systems Z-19, Z-29.

PHYSICAL

Size: Monitor—13.63 x 15.5" W x 14.25" D (34.6 x 39.4 x 36.2cm).
Keyboard—1.35" H x 18.25" W x 8" D (3.3 x 46.3 x 18.4cm).

Weight: Monitor—22.8 lbs. (10.3Kg).
Keyboard—3.8 lbs. (1.73Kg).

Operating Temp: 32-105°F (0-40°C).

POWER

Requirements: 105-127 or 210-254 VAC; 50/60Hz; 73W.

ORDER NUMBERS

Z-49: Amber video display.
Z-49-G: Green video display.

Specifications subject to change without notice.

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THE QUALITY GOES IN BEFORE THE NAME GOES ON

