Lear Siegler's DEC® VT220™ compatible terminal

ADM™ 220

features:

- Exclusive High Touch™ style
- full tilt & swivel display
- detached, low-profile DIN standard keyboard
- ANSI X3.64 code compatible
- 15 function keys for 45 functions
- non-embedded visual attributes
- easy non-volatile set-up
- AVO and printer port standard

DEC compatibility. Ergonomic styling. Standard features that include advanced editing capabilities, 30 programmable functions, split screen, and non-embedded visual attributes. All these—and a lot more—are combined in Lear Siegler's ADM 220 video display terminal.

The ADM 220 is engineered for use with Digital Equipment Corporation and ANSI X3.64 compatible systems. It is compatible with the DEC VT220™, as well as the VT100™ and VT52™ terminals. Add Lear Siegler's superior styling and ergonomics and you have a VDT that offers the maximum operator comfort and efficiency.

Lear Siegler's High Touch style includes a full tilt and swivel monitor that stops positively in any desired position. For operator convenience, the ON/OFF and contrast controls are located on the front of the monitor. The detached, low-profile DIN standard keyboard, with built-in tilt adjustment, is arranged for operator convenience with separate editing/cursor control key cluster, numeric key cluster, and function keys. International layouts are also available.

Set-up is easy with the ADM 220. The selectable set-up parameters can be displayed in English, French or German. And you can return to set-up mode at any time without losing screen data.

The ADM 220 provides four non-embedded visual attributes (blink, bold, underline, and reverse video), 80 or 132 column x 24 line display (plus 25th status line), split screen, double wide/double high line attributes, and vertical or horizontal scrolling. The 15 unique "3-level" function keys provide 45 functions: 15 non-programmable and 15 programmable functions, plus an additional 15 programmable *non-volatile* functions.

A 12-inch green or amber screen is standard. For financial and word processing applications, the optional 14-inch display is especially useful. With the multiple-page memory option, up to four pages of 132 column x 24 line data may be placed in display memory by the host.

Lear Siegler High Touch™ terminals are made in America — designed, engineered, manufactured and shipped from Anaheim, California. With this total, on-shore capability, OEMs as well as end-users can be assured of the best local support available in the industry.

That's why Lear Siegler video display terminals are called the American Dream Machines.

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LEAR SIEGLER, INC.

ADM 220
specifications

Display

CRT Screen: 12-inch (30.5 cm) or optional 14-inch (35.6 cm) diagonal, green or amber phosphor with non-glare surface.

CRT Console: Tilt and swivel mechanism – 360° swivel capability; tilt 5° forward to 15° back of vertical. Removable base.

Refresh Rate: Vertical, 50 or 60 Hz, selectable, depending on line frequency.

Display Format: One page of 1920 or 3168 characters. 80 or 132 characters per line x 24 lines, plus a 25th line for terminal status or set-up mode. Additional pages of 132 character/line x 24 line display memory optional.

Character Matrix: 7 x 9 dot matrix with descenders (80 column mode). 7 x 9 dot matrix with descenders (132 column mode)

Character Field: 10 x 10 (80 column mode) 9 x 10 (132 column mode).

Cursor: Blinking or steady reverse video block or underline.

Character Sets: 94 displayable characters per set: ASCII, UK National, LSI Special Graphic, and LSI Supplemental (multinational) character sets. "Compose sequence" capability for creating special multiple keystroke characters.

Display Background: Light or dark (selectable).

Visual Attributes: Four non-embedded (character) attributes: blink, bold, underline, reverse video. Can be used individually or in combinations. Non-embedded double wide/double high and double wide line attributes.

Scrolling: Jump or smooth vertical scroll - selectable. Horizontal scroll.

Horizontal Split Screen: User-definable scrolling region.

Cursor Movement: Relative and absolute cursor addressing from keyboard or host. Read cursor address from host.

Keyboard Functions

Keyboard: Detached, low-profile, DIN standard with six-foot coiled cord. VT220 layout with 105 sculptured keys. Typewriter-style keyboard with separate editing keypad and auxiliary (numeric) keypad. Two-tone keycaps by function.

11° keyboard tilt mechanism. Auto-repeating keys (selectable in set-up). International keycap sets optional.

Visual Indicators: Five LED indicators: POWER ON, HOLD SCREEN, LOCK, COMPOSE, and WAIT (keyboard locked).

Auxiliary Keypad: Numeric keypad with 0 through 9, period, comma, minus, and enter. 4 general purpose non-programmable function keys.

Cursor Controls: Up, down, left, right arranged in an inverted "T" pattern.

Function Keys: 15 function keys for 15 non-programmable functions unshifted, plus 30 programmable functions with shift or CTRL (dynamically allocated storage — 256 bytes volatile and 135 bytes non-volatile).

Non-Volatile Set-Up Mode: Menu-style in English, French, or German. Seven set-up screens for display, communications, printer, keyboard, tab and general set-up characteristics, selectable from keyboard or host.

Operator Convenience: Selectable key-click for audible feedback. Selectable cursor, display background. N-key rollover to reduce "missed characters".

Editing

Edit Operations: Erase character, erase to beginning/end/all of line/display, erase area (scrolling region), selectable erase, erase (erase unprotected only) line/display/area (scrolling region), insert character/line, delete character/line. Editing can be from keyboard (only with local echo on) or host.

Program Mode: For displaying received 7-bit or 8-bit control characters.

Communications

Programming Standards: ANSI X3.64, VT220 (7-bit or 8-bit controls), VT100 and VT52 modes.

Modes of Operation: Conversation, full duplex with or without modem control or local.

Interfaces

Primary Port: RS-232C, serial asynchronous ASCII communications. 20mA current loop and RS-422 optional.

Printer Port: RS-232C serial. Bi-directional (X-On/X-Off handshaking).

Data Rates: 75, 110, 150, 300, 600, 1200, 2400, 4800, 9600, 19,200 baud. Primary Port and Printer Port baud rates, may be independently set.

Word Structure: 7- or 8-bit data; even, odd, mark (7-bit only), space (7-bit only) or no parity, 1 or 2 stop bits - all selectable.

Data Flow Control: X-On/X-Off.

Options

Amber phosphor
14-inch screen
20mA current loop interface
RS-422 interface
Additional pages of display memory
International keycap sets

Physical Specifications

Power Requirements

Standard: 115 VAC ±10%, 60 Hz 65 watts nominal

Optional: 230 VAC ±10%, 50 Hz 65 watts nominal

Operating Environment

5° to 40°C (41° to 104°F); 5% to 95% relative humidity, non-condensing.

Dimensions

Console:
  Width: 13.5 inches (34.3cm)
  Height: 12.6 inches (32.4cm)
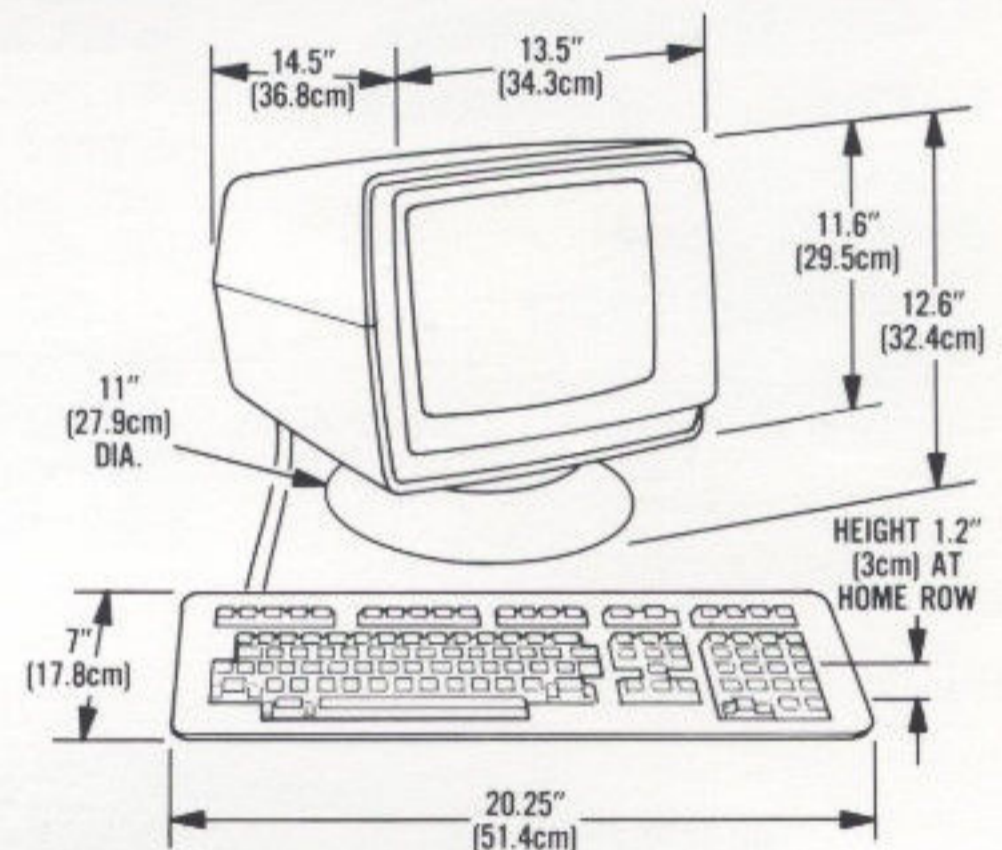 **Depth:** 14.5 inches (36.8cm)

Keyboard:
  Width: 20.25 inches (51.4cm)
  Height: 1.2 inches (3cm)
  Depth: 7 inches (17.8cm)

Weight: 25.3 lbs. (11.5kg)

FCC Class A compliance. Designed for UL and CSA approval.

Specifications subject to change without notice.

ADM 220 Keyboard Layout