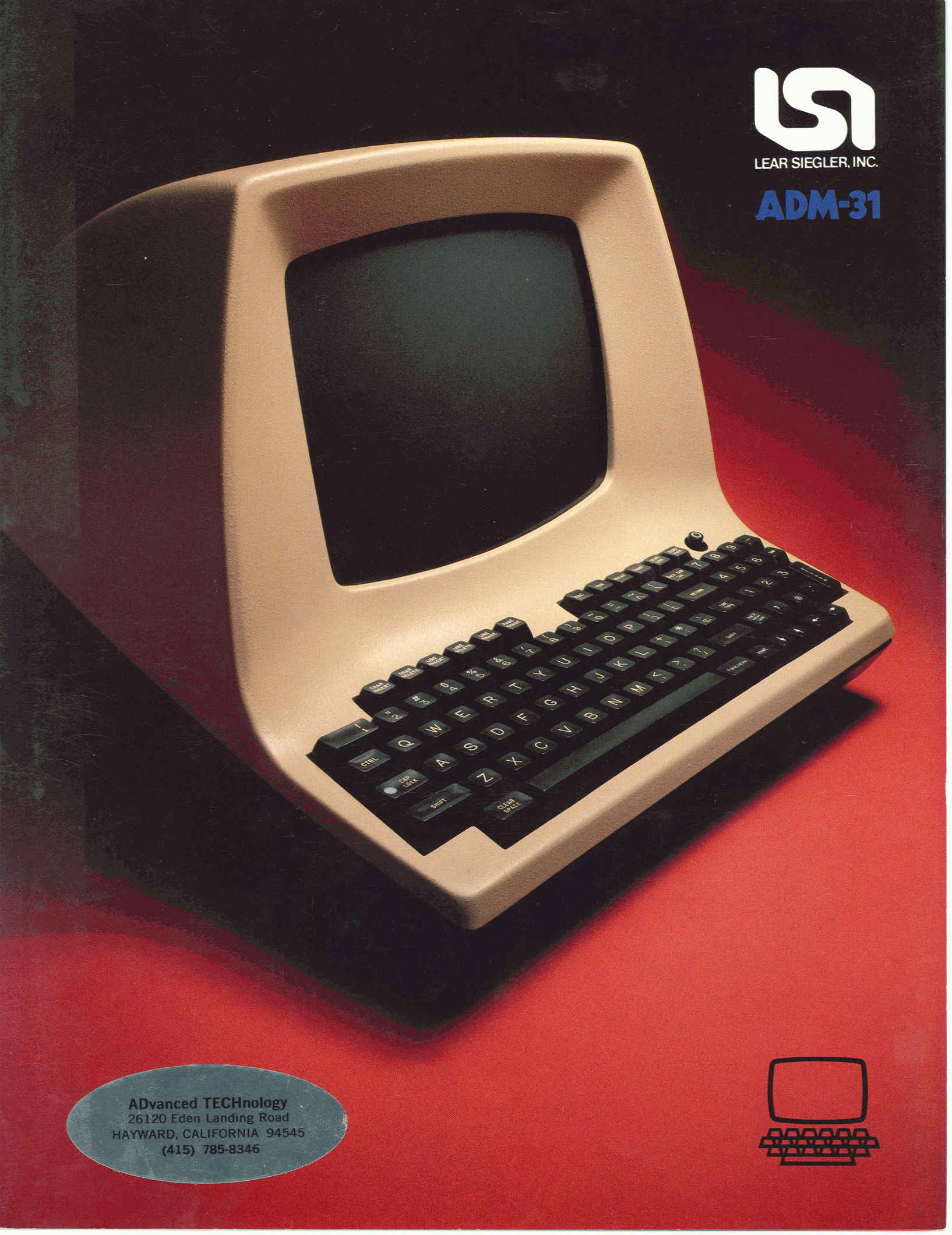

LEAR SIEGLER, INC.
ADM-31
ADvanced TECHnology
26120 Eden Landing Road
HAYWARD, CALIFORNIA 94545
(415) 785-8346

The ADM-31.
A terminal far too smart to be considered Dumb.

No, this isn't a Dumb Terminal,™ although the resemblance is rather striking.

Meet the ADM-31. The clever terminal that proves Dumb is only skin deep.

The ADM-31 is a low-cost, high-reliability desktop CRT terminal with a full two-page display as standard equipment, not as an option (as with most other terminals). That means you get double the display potential on the ADM-31 that you'd get on terminals costing several times as much. And that's a pretty clever idea.

The ADM-31 is completely self-contained, and comes equipped with keyboard, control logic, character generator, refresh memory, and interface. Not to mention a microprocessor that makes it even more reliable and easy to use. You can even order it with a printer port option, and get printouts along with your readouts. And the ADM-31's convenient, accessible switches make it one of the most versatile and capable terminals you can buy.

The ADM-31's 91 key keyboard provides all of the functions now available on the ADM-1. And more.

For starters, you get full editing capabilities and four visual attributes: lower intensity for identification of protected fields, blinking and reverse video to highlight key data and blanking for security fields such as log-on fields.

The high-reliability keyboard is also integrated with main logic, and can generate all 128 ASCII characters (upper and lower case, numerics, punctuation, and control). It features an integral numeric pad, with period, comma, tab, minus and numerals arranged in a familiar calculator format.

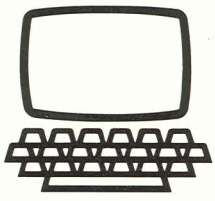
As if that wasn't enough, the keyboard includes a caps lock key (to lock the keyboard into upper case display), and a selection of function keys.

The ADM-31 is an efficient, cost-effective step upward that'll enhance your system all by itself.

Sound a bit hard to believe? Then check out the ADM-31's features. You haven't seen anything yet.

Standard Memory





Features

You get two pages instead of one.

The ADM-31 gives you two full pages of display. Use them both and get up to 3840 characters of display potential. Or, allocate the second page as a print buffer and be sending data on page two while entering data on page one.

Any one page has the following independent page characteristics: Protect, Write/protect, Program mode, and cursor retention. If you decide to change to another page, these attributes go back to be stored in memory. And, if you want to recall the page at a later date, the same characteristics are back, exactly as they were originally.

The ADM-31 proves two pages really are better than one.

With the ADM-31, your fields are protected.

Screen formatting of protected or unprotected fields is displayed in dual intensity on the ADM-31. A major feature of the terminal is a field protect mode.

This lets you keep information you want on the screen, at a lower intensity. And lets you constantly change variable or secondary data. You can even tab the cursor forward and backward to the start of each unprotected field.

You or the computer can designate areas on the ADM-31 to display as protected fields. These fields then appear at a reduced intensity and protected fields can't be typed over unless you remove the terminal from the protected mode.

What's more, your remote computer can't overwrite the protected fields until you remove the ADM-31 from the protected mode.

The ADM-31 behaves itself.

The ADM-31's behavior modification gives you a factory installed personality for certain selected parameters. Such as an alternate ESCape sequence lead-in, in addition to the standard ESCape. An End Block character. A New Line character sequence. A field separator. And a function sequence preamble.

No one could accuse the ADM-31 of being ill-mannered.

It's all a function of your imagination.

When the special function key is operated, a special function sequence is transmitted. The sequence is SOH, followed by "any" ASCII keyboard character. And each function sequence is terminated with the RETURN code.

The remote computer has full control over the ADM-31. And all control functions which are possible from the keyboard can also be executed from the remote computer.

The computer controls the ADM-31 by transferring the appropriate ASCII codes over the RS232 or current loop interface.

Interfacing made easy.

You get the ADM-31 with a standard single serial asynchronous RS232C and 20mA current loop interface, compatible with bell modems 103 and 202.

You can also use the RS232 extension which will extend all of the signal lines of the standard port, and will let you easily chain units together.

Or if you like, an optional RS232 serial printer interface is available. You can adapt the printer interface for



various printers with a control line.

Printer interfaces come in Block Mode, Copy Mode or Buffered Print Mode. With the block mode, data is written onto the screen formatted or unformatted and then transmitted to the printer by either the print key or a command. Copy mode retransmits all data to the printer as it is received from the computer. And, its buffered print mode allows the computer to direct a block of data to the printer buffer which utilizes the second page of the screen and then sends it to the printer without interrupting operator input on page one.

Pick a transmission mode. Any transmission mode.

On the ADM-31, full or half duplex conversation modes are switch and keyboard selectable. Or you can use any of several modes of block transmission, that can be initiated by you or the computer. Depending on your requirements, choose from SEND LINE UNPROTECTED, SEND LINE ALL, SEND PAGE UNPROTECTED, SEND PAGE ALL, or SEND MESSAGE.

With an optional transmission feature, you can also have polling and addressing.

The ADM-31. A truly capable editor.

The ADM-31's editing capabilities allow you to clear the screen, or use the cursor for a character change.

In addition, the ADM-31 comes complete with character insert/delete, line insert/delete, erase to end of line/field/screen, and back tab. All standard equipment.

And with the standard edit feature, the ADM-31 can also clear to protected spaces, and clear to unprotected nulls.

Read or load cursor permits sensing of the current address, and direct, absolute addressing to any page and any x-y coordinate. The ADM-31's full controls also let you skip protected fields, backspace, forespace, move up, down, return, home and new line. And you can store the Control Characters, too.

Who says a machine can't edit?

Just as dependable as Dumb.

The ADM-31 is built with modular construction for easy access and service. And it's housed in the same, proven rugged case as our renowned Dumb Terminal.

Its display screen measures 12 inches diagonally, is of a high resolution quality, P4 phosphor with a bonded, etched faceplate.

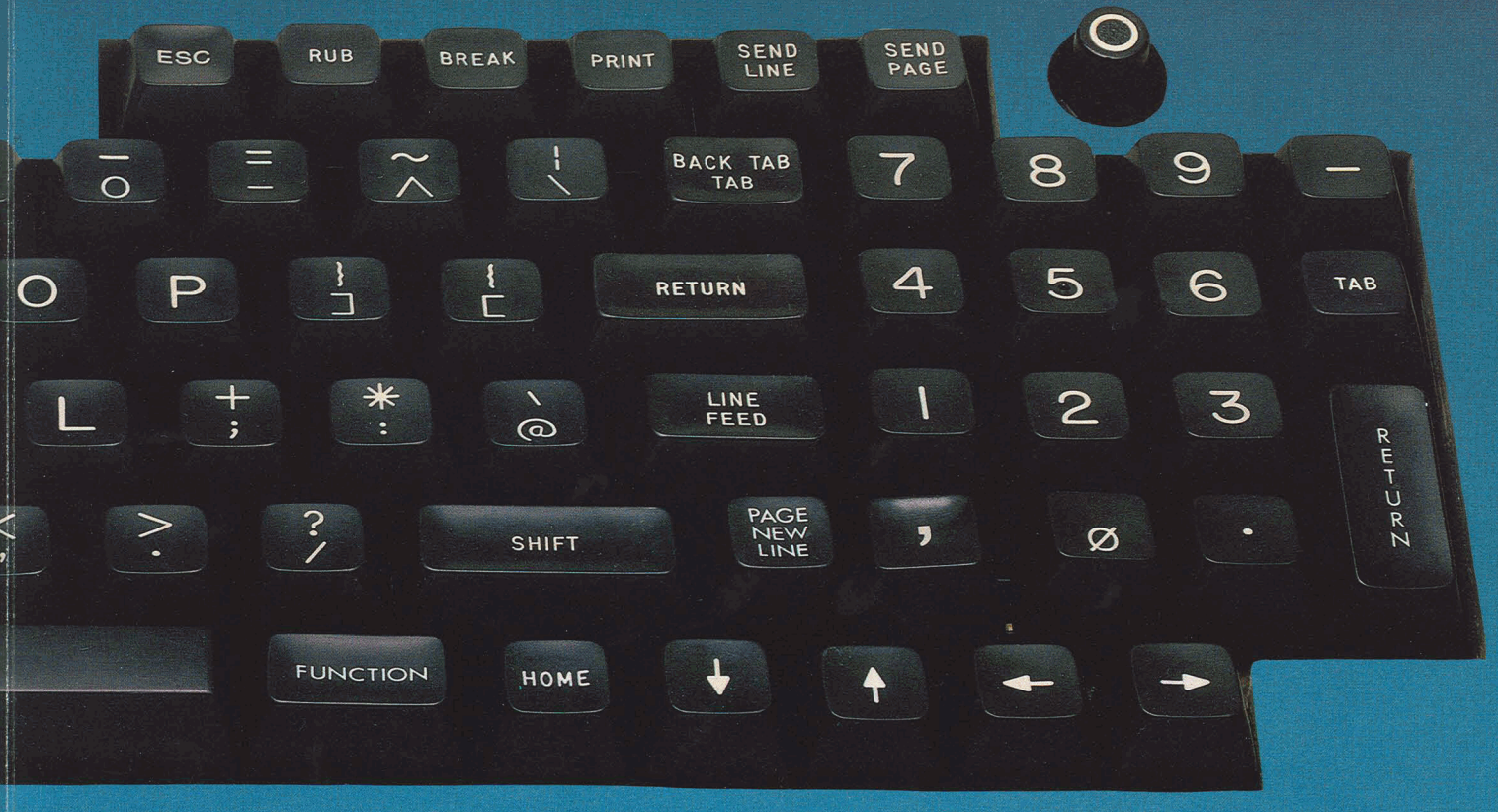
The CRT is refreshed at 50 or 60 Hz, depending on the line frequency. Which assures that the ADM-31 gives you a sharp, crisp, stable, undistorted presentation of the entire display area.

An idea whose time has come.

You're probably thinking the smart ADM-31 is one of the best ideas to come along in quite a while. We have to agree.

So if you're in the market for a new, smart display terminal, consider the ADM-31. Then call or write Lear Siegler today.

And see for yourself why we think the ADM-31 is one smart idea.




CHAR INSERT
CHAR DELETE
LINE INSERT
LINE DELETE
LINE ERASE
PAGE ERASE
ESC
RUB
BREAK
PRINT
SEND LINE
SEND PAGE
BACK TAB TAB
RETURN
CTRL
CAP LOCK
SHIFT
LINE FEED
PAGE PREV LINE
CLEAR SPACE
FUNCTION
HOME
TAB

Specifications

Two Page Display Format: 1920 characters arranged in 80 characters per line by 24 lines.

CRT Screen: 12 inch diagonal, P4 Phosphor, etched faceplate.

Display Area: 5.5" (13.9cm) high x 8 7/16" (21cm) wide

Character Set: 128 characters.

Character Font

Characters: 7 x 11 Dot Matrix

Cursor: 10 x 12 Dot Matrix

Character Field Size: 6mm high x 3mm wide

Refresh Rate: 60 Hz, 50 Hz.

Cursor: Reversed Image (Block Cursor).

Cursor Controls: Tab, Backspace, Forespace, Down, Return, New Line, Up, Home, Read Cursor, and Cursor Addressing.

Edit Operations: Clear Entire Screen, Clear Unprotected Positions, and Character Type-over, Character Insert/Delete, Line Insert/Delete, Erase to End of Page, Erase Line/Field.

Field Protect: Screen formatting of protected and unprotected fields displayed in dual intensity.

Visual Attributes: Blink, Blank, Reverse Video and Reduced Intensity with protected fields.

Transmission Modes

Format Transmission: Transmit format and text or text only.
Page Mode—Read from the start of the page to the cursor.
Line Mode—Read from the start of a line to the cursor.
Message Mode—Read from previous end of message.

Conversation Mode: Characters transmitted to the computer a character at a time. Half or full duplex.

Control Characters: Control characters may be transmitted to the computer and entered on the screen.

Repeat: Repeat is activated by holding the key down. Repeat rate is 15½ characters per second.

Interfaces: RS232 point-to-point or 20mA current loop. Data rates—50, 75, 110, 134.5, 150, 300, 600, 1200, 1800, 2000, 2400, 3600, 4800, 7200, 9600.
Parity—Even, odd, or none.
RS-232 extension.

Transmission Options:
Polling- addressing.

Optional: Serial printer port. Available modes are formatted/unformatted, copy-print and buffered print.

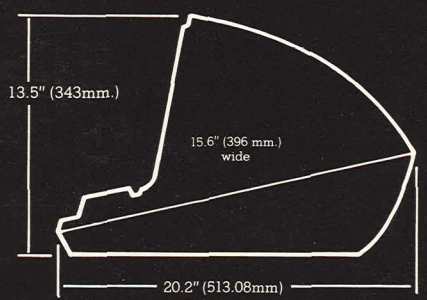
Sizes: 13.5 inches (343mm) high, 15.6 inches (396.2 mm) wide, 20.2 inches (513.08 mm) long.

Weight: 32 pounds (14.4 Kg)

Power Requirements: 115 volts, 60 hertz

Optional: 230 volts, 50 hertz
240 volts, 50 hertz

Operating Environment: 5° to 50°C (41° to 122°F): 5% to 95% relative humidity, without condensation.



How To Order

The Lear Siegler ADM-31 may be ordered through any Lear Siegler sales office or distributor. Your sales representative will be pleased to discuss your application with you, and provide any additional information you may require.

Specifications subject to change without notice.

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