



"SMART" ISN'T GOOD ENOUGH ANYMORE.

A solution to the problem of smart terminals.

No terminal on the market today combines all the best features you'd expect from a terminal called "smart." Except one.

Enter The Smarter One, TS-1™ from Falco. TS-1 gives you the best of everything. From ergonomics to emulation, from upgradeable performance to user programming, never has one terminal had so much to offer to such a wide variety of users. But see for yourself. Compare TS-1 to any other smart terminal. And find out how much smarter it really is.

Features:

- Software-driven emulation which can be easily changed to support a wide variety of emulations
- Easily upgradeable
- Asynchronous or synchronous through firmware change
- 256 character input buffer
- 28 user-programmable functions
- Continuous memory with unlimited number of rewrites and down-line set-up screen loading
- Displayable control codes for aid in program debugging

- User settable attributes
- User selectable personality features
- User definable split screen scrolling
- Green screen with operator/software brightness control
- User selectable status line
- User selectable and storable personality features
- All software switches
- Reliable inductive key switches
- Color-coded keyboard
- Lightweight (26 lbs.)
- Convection cooled, vent holes in back

How to order:

TS-1 from Falco is sold exclusively through smarter distributors. But you've got to see TS-1 to believe it, so call your distributor and ask for a demo. Or call us direct at (408) 745-7123 (Telex 172494), for a list of distributors in your area.

INTRODUCING THE SMARTER ONE. TS-1 FROM FALCO.

Specifications:

User Features

Model: User selectable from setup screen.

TS-1=Falco Data Products

ADM-31=Lear Siegler

VT-52=Digital Equipment

VT-100*=Digital Equipment

*Optional, only active when option is added.

Display

Size: 12-inch diagonal screen; 22 cm x 14 cm (8.0 x 6.0 inch)

Refresh: 50 or 60 Hertz

Colors: Green P31 phosphor standard; white P4E optional; amber PC 134 optional.

Brightness: Software controlled from keyboard or host. (127 levels of intensity)

Format: 24 lines x 80 columns.

Status Line: Selectable 25th status line shows: user definable title (up to 10 characters); real time clock display; and the following indicators: freeze mode, block mode, caps mode, shift mode, numeric pad lock, protected field, and reduced intensity; continuous memory stores status line data.

Split Screen: Offers user definable regions.

Characters: Complete 128 ASCII character set (fully displayable): business graphics or second language ROM optional.

Resolution: 8x12 character cell with a 6x10 character creates a very legible font including lower case descenders.

Cursor: User selectable block, underline, blank, blink character at cursor location, and all combinations.

Keyboard

Detachable: Serially interfaced to the front of the terminal with a coiled cord.

Switches: Inductive coupling eliminates electro-mechanical contacts which provides maximum reliability.

Keys: 60 keys with 14-key numeric pad. User programmable function keys have 250 character buffer holding up to a 77 character string per key. Continuous memory stores programmable function key data.

Auto Repeat: User selectable; holding key down for more than one second activates repeat.

Human Engineering: Non-glare step-sculptured key caps, N-key rollover, tactile feedback (user selectable), and color coded edit and function key.

Layout: Data entry keyboard standard; 12 programmable function keys standard; additional row of 14 (shiftable) programmable function keys plus five programmable cursor control keys optional. Typewriter-style keyboard and foreign character sets available.

Reset: Keyboard sequence permits reset of logic or reset of all terminal memory and functions.

Editing and Control Modes

Cursor Control: Up, down, forward, backward, home, newline, return, tab, backtab, protect mode tab, load/read cursor address.

Scrolling: Scroll or no-scroll selectable when cursor moves down from last line. Standard or smooth scrolling selectable.

Enter Mode: Displays all control character along with text as programmer aid.

Freeze Mode: Instantly halts processing of incoming data.

Conversation Mode: Half or full duplex.

Block Mode: Transmit line/page of unprotected or all character. Delete/insert character or line, clear/erase to end of line or screen. Print line/page with format.

Multiple Page Memory: 16-thousand character memory optional with a self-contained editor.

Protected Field Mode: Protect an individual character or up to an entire screen using dual intensity display technique.

Personality Change: Code modifications may be selected to modify some terminal operations.

Set-up Mode: Software switches select: word length, stop bits, parity, baud rate, word structure, transmission mode, duplex, refresh rate, master I/O port, extension port, X-on/X-off and/or DTR buffer control protocol, roll, scroll, smooth scroll, add line feed to carriage return, select hour clock (2 or 24); cursor controls automatically programmed for model compatibility, display status line, select auto repeat, tactile feedback, add bell eight characters before end of line. Selections stored in continuous memory, cursor display model selectable to TS-1, ADM-31, VT-52. VT-100 model is an optional addition.

Fonts and Attributes

Character Size: Normal, double width/single height, single width/double height, double width/double height.

Visual Attributes: Dual intensity, reverse video, under line, blink, blank, or any combination assignable to screen, line, or character.

Business Graphics: 64 characters used to form 160 x 72 matrix plus 64 special graphics symbols.

Technical Features

Control Logic: Single microprocessor-based logic board.

Memory: 8K ROM expandable to 16K/1K data RAM expandable to 17K/2K display RAM.

Dual Ports: Two interchangeable I/O ports with independent interface characteristics allow simultaneous connections with computers, printers, or modems. Extension port feature echoes data from master port through slave port.

Interfaces: RS-232 standard; RS-422, or current loop optional. 16 baud rates from 50 to 19,200.

Power: Low range, 95 to 135 volts. High range 190 to 270 volts AC, 50 watts maximum. 50 or 60 Hertz line.

Operating Environment: 5 to 45 degrees centigrade, relative humidity 10 to 90 percent non-condensing.

Composite Video Out: External wide band monitors can be added as an option. Sync Frequency is 19.2 KHz.

Dimensions: Main unit: height 30.5 cm (12 inches), width 40.6 cm (16 inches), depth 35.6 cm (14 inches); Keyboard: height 6.4 cm (2.5 inches), width 40.6 cm (16 inches), depth 21.6 cm (8.5 inches).

Weight: 26 pounds.



NOTE: ADM-31 is a registered trademark of Lear Siegler. VT-52 and VT-100 are registered trademarks of Digital Equipment Corp. TS-1 is a registered trademark of Falco Data Products.