Description

The WY-100 offers a full range of powerful capabilities and ergonomic features in a low cost, microprocessor-driven smart terminal.

Some of the most important ergonomic features include: a fully tilting and rotating display to conform to individual operator preferences, a display screen which uses green phosphor to reduce eye strain, and a low profile keyboard, detached with a 6′ (1.8288m) coiled cable to make positioning for operator comfort easy.

The WY-100 display also offers graphics line drawing and horizontal/vertical split screen with independent scrolling. Additional lines on the screen provide operator information on communication status, host status or function key identification. Also included are five attributes: blink, dim, reverse video, underscore and blank. These can be used separately or in combinations.

WY-100 operators enjoy more functionality with·fewer key strokes becuase of the large number of keys... 105 in all, arranged on a typewriter-style keyboard. A 14-key numeric pad, to speed numeric data entry, is included along with a separate 8-key cursor control pad to allow rapid movement of the display cursor. Just six keys handle a variety of editing functions.

The WY-100 also helps minimize operator mistakes. Its protected forms mode ensures that the operator does not inadvertently overwrite forms. And data validation cuts down on data entry errors.

Communications capabilities standard on the terminal include 15 transmission baud rates from 50 to 9600 baud via a standard RS-232C interface. Dialogue between terminal and host computer can occur in character or block modes. A second communications port on the WY-100 is its local printer interface which allows data transfers at rates between 50 and 9600 baud.

High reliability is assured by stringent test procedures. For example, WY-100 I/C's must pass severe thermal shock tests before acceptance by Wyse Technology. After assembly, each WY-100 undergoes 96 hours of temperature cycle testing from ambient to 131 °F (55 °C). However, should failure occur, built-in diagnostics can, in most cases, identify the problem down to the chip level.

Large quantity users may customize the terminal firmware for adaptation to their specific application.

Key Features

- **Fully tilting/rotating screen**
- **Detached keyboard with 105 keys**
- **Green phosphor screen**
- **Vertical/horizontal split screen**
- **Screen editing capability**
- **Protected forms mode**
- **Data validation**
- **Character/block transmission**
- **OEM customizable**
- **High reliability because of rigorous testing**

WY-100 Specification Summary

Dimensions

Display cabinet: 12.5″ x 15″W x 12.5″D (31.75cm x 38.1cm x 31.75cm)

Keyboard: 2.6″H x 20.5″W x 7.1″D (6.604cm x 52.07cm x 18.034cm)

Finish: Beige/black

Shipping weight: 50 lbs. (22.68kg)

CRT

12″ (30.48cm) diagonal
Green phosphor screen
Tilting/rotating display
Front bezel power on/off and intensity control

Display format: 24 rows x 80 characters + 2 rows for terminal status and function key identification

Display attributes: blink, underscore, blank, dim, reverse video, plus all combinations

Character matrix: 8 x 10 matrix in a 10 x 11 cell

Character set: 128 ASCII, upper/lower case with 32 control codes, line drawing, graphics

Cursor: block, switch selectable blink/non-blink

Refresh rate: 60Hz/50Hz select

Memory size: 1 page standard, 2nd page optional

Keyboard

Detached with 6′ (1.8288m) coiled cable 105 keys arranged in a typewriter-style layout

Function keys: 8 program function keys plus a special 'Funct.' key provide up to 96 codes

Numeric keypad: 14 keys include numbers 0-9 (calculator format), period, comma, minus and enter/tab

Functional command keys: escape, rubout, break, control, line feed, backspace, return, return/line feed, new line, page, set tab, shift, caps lock

Editing keys: 6 keys include character or line insert/delete, and line or page erase

Cursor keys: 8 key set allows paging and scrolling; and cursor movement up, down, left, right, home

Send or print: 4 keys transmit a line, page, or message; or print the screen.

Communications

Type: ASCII asynchronous, TTY compatible

Interface: EIA RS232

Mode: block or conversational, half or full duplex

*Baud Rates: 15 standard rates from 50 to 9600 baud

*Data Size: 7 or 8 bits

*Stop Bits: 1 or 2

*Parity: Odd, even or none

Power

Standard: 120 VAC, 60 Hz ± 5%

Optional: 240 VAC, 50 Hz ± 5%

Environmental

Operating temperature: 32° - 131 °F (0° - 55 °C)

Storage temperature: − 40° - + 140 °F (−40° - +60 °C)

Humidity: 10%-90% without condensation

Altitude: sea level-15,000′ (4,572m)

Functions

Split screen modes: 4 programmable display modes. Normal, horizontal split, 39 or 40 column vertical split. Split display windows scroll independently and operate under all terminal functions.

Cursor functions: Left, right, up, down, home, cursor to start of text, tab, back tab, line feed, return, new line (carriage return and line feed operation), direct X-Y cursor addressing to the active split screen window or the selected split screen window.
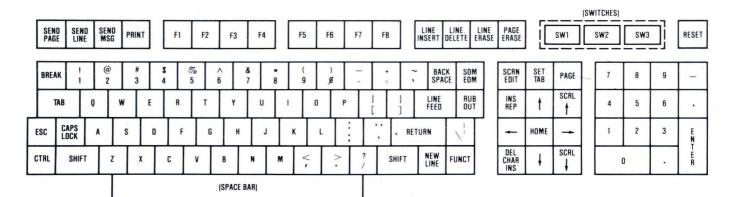
Editing functions: erase memory, erase to end of line/field, erase to end of memory, insert/delete line, insert/delete character.

Form data entry: Protect format with programmable data validation. Data validation includes alpha or numeric only, or numeric with special characters (requires second page option).

Host message field: Separate screen area for host computer message. Host computer controllable 26th line to display function key identifications.