



## Customer Service

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### Technical Support - Knowledge Base

#### Wyse Terminals Specifications

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#### WY-55 Specifications



WY-55 and WY-55ES Display Terminal The WY-55 and WY-55ES multi-personality general purpose display terminals provide users with a rich feature set, reliable design and affordable price, further enhancing Wyse's leadership in ASCII/ANSI/PCTerm terminals. In addition, the complete WY-50 compatibility makes the WY-55 and WY-55ES the perfect successors for the WY-50. **KEY FEATURES** • ASCII/ANSI/PCTerm/UNIX Console personalities • Fully compatible with the WY-50 • WY-60 Native mode • Up to 80 Hz flicker-free refresh rate with overscan • Two serial ports, up to 115.2 Kbaud • Superb text display quality and video focus • Multiple

display formats • Choice of ASCII, ANSI, EPC, or IEPC keyboards • Meets the world-class ergonomic and safety standards • Rest Timer • EPA Energy Star compliant **MULTIPLE PERSONALITIES** Wyse designed the WY-55 and WY-55ES to work in a broad spectrum of environments with almost any computer system. Users may select any of the most popular ASCII emulations (including the fully compatible WY-50 mode), ANSI (such as VT-220), PCTerm and UNIX Console. This great mix of personalities can handle traditional mini-computer and mainframe environments as well as multi-user PCs. **GREAT ERGONOMICS** State-of-the-art technology and design make the WY-55 and WY-55ES exceptionally user-friendly. Choose a green, amber or paper-white 14-inch flat screen. The extra-fast 80 Hz refresh rate delivers a flicker-free dynamic-focused display image. High-resolution character cells offer clear and crisp text. Overscan, borderless full-screen video further enhances viewing comfort. High-quality keyboards with the unique Wyse -touch and feel- are still the industry's all-time favorite. Further, a built-in -Rest Timer- can remind users to do what its name suggests. The streamlined and stylish housing offers front-mount brightness, contrast and power controls, a tilt and swivel base, plus a firmware access door for easy feature upgrades. **LOW-EMISSIONS** For low emissions, the WY-55ES is the terminal of choice. It conforms to guidelines for electrostatic, very low, and extremely low-frequency electro-magnetic emissions recommended in the Swedish MPR 1990:10 publication (MPR II). **SIMPLY THE BEST** From a broad range of personalities and world-class ergonomics to affordable price, Wyse offers it all in one stylish package. Always expect the best from Wyse. It's one more reason Wyse is the world's leading supplier of general purpose terminals.

## DETAILED SPECIFICATIONS

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- *Technology*

CPU:

14.746 MHz 8032 microcontroller

MEMORY:

24KB high-speed static CMOS RAM (includes two 8KB lithium battery-backed RAMs)

VIDEO:

Up to 7 pages of display memory

VIDEO PROCESSOR:

Wyse Proprietary ASIC

- *Power*

LINE VOLTAGE:

120-230 VAC

LINE FREQUENCY:

50/60 Hz

POWER CONSUMPTION:

45 Watts

FUSE:

2 A, 250 V, slow blow

INPUT VOLTAGE RANGE:

120-230 VAC, Autosensing: 90-264 Volts

INPUT FREQUENCY RANGE:

47-63 Hz

- *Display Features*

MONITOR SIZE:

14-in diagonal, flat, non-glare CRT

IMAGE SIZE:

Horizontal Image 237 mm ± 4.0 mm

(9.243 in ± 0.156 in)

Vertical Image 70 Hz Mode:

186 mm ± 4.0 mm

(7.254 in ± 0.156 in)

80 Hz Mode:

177 mm ± 4.0 mm

(6.903 in ± 0.156 in)

COLORS:

P-31(G), P-134(A), P-188(W) phosphors

RESOLUTION:

Vertical Horizontal

Mode Frequency Frequency

(Font Size) H V (Hz) (kHz) Lines Columns

1 (10x15) 800 390 70 31.38 26 80

2 (10x16) 800 416 70 31.38 26 80

3 (10x13) 800 338 80 31.38 26 80

4 (10x9) 800 396 70 31.38 44 80

5 (9x15) 1188 390 70 31.38 26 132

6 (9x16) 1188 416 70 31.38 26 132

7 (9x13) 1188 338 80 31.38 26 132

8 (9x9) 1188 396 70 31.38 44 132

- *AlphaNumeric Features*

PERSONALITIES:

WY-50, WY-50+, WY-60, WY-120/120+, WY-150/150+,

Teletype TVI-905/910+/925, ADDS Viewpoint A2, Hazeltine 1500, DEC VT-52, VT-100, VT-220; PCTerm; UNIX Console

CHARACTER:

26/44 lines by 80/132 columns

26 lines: 10x13, 10x15, or 10x16 in 80 columns,

9x13, 9x15, or 9x16 in 132 columns

44 lines: 10x9 in 80 columns; 9x9 in 132 columns

Fonts: Simultaneously program and display 512 unique characters and symbols

ATTRIBUTES:

All combinations of reverse, underline, blink; choice of double-high and/or double-wide per line

INTENSITIES:

Normal, dim, bold, blank (invisible)

CURSOR:

Block or underline; blink, steady or off

REFRESH:

70-80Hz, flicker-free, non-interlaced

- *Keyboard*

DESIGN:

Low-profile with two-position tilt; detached with 5-foot(1.5 meter) coiled cable

LAYOUTS:

Wyse ASCII (101 keys), Wyse ANSI (105 keys), Enhanced PC (102 keys) and International Enhanced PC (103 keys)

FUNCTION KEYS:

Up to 16 dedicated F-Keys; Up to 66 programmable key-functions

OPTIONS:

Localization kit Languages vary by keyboards

- *Physical Characteristics*

HEIGHT:

324 mm (12.636 in)

WIDTH:

320 mm (12.48 in)

DEPTH:

302 mm (11.778 in)

NET WEIGHT:

7.0 kg (15.432 lb)

WEIGHT (TERMINAL AND KEYBOARD):

23 lbs (10.400 kg)

- *Environmental*

OPERATING TEMPERATURE:

+10° to +40°C (+50° to +104°F)

STORAGE TEMPERATURE:

-40° to +60°C (-40° to +140°F)

OPERATING ALTITUDE:

0 to 3,049 meters (0 to 10,000 feet)

NONOPERATING ALTITUDE:

0 to 12,195 meters (0 to 40,000 feet)

HUMIDITY:

20% to 80% noncondensing

- *Video Electrical*

CENTERING:

Horizontal 4.0 mm (0.156 in) maximum

Vertical 4.0 mm (0.156 in) maximum

PINCUSHION:

2.5 mm (0.097 in) maximum

TILT:

1.40 mm (0.054 in)

BRIGHTNESS (MAXIMUM):

White 45 fL (+7 -3)

Green 70 fL (+7 -3)

Amber 32 fL (+7 -3)

Raster 1 fL  $\pm$  0.5 fL

LINEARITY:

Horizontal 10%

Vertical 10%

WAVE AND JITTER:

$\pm$  1 pixel

- *Regulatory*

SAFETY:

UL 1950 listed

CSA 950 certified

TUV-GS approved

IEC 950 and EN60950 approved

DHHS 21 CFR Subchapter J X-radiation

EMI:

FCC CFR Part 15, Class A

VDE 0871 Level B Radio Protection Mark

EN55022 (CISPR 22) Class A

LOW EMISSIONS:

Meets the Swedish MPR 1990:10 (SWEDAC) guidelines for electrostatic, very low, and extremely low frequency magnetic and electric field (ES version only).

ERGONOMICS:

Complies with German Standards - ZH1/618 and ISO 9241

CE MARK:

89/336/EEC, 73/23/EEC, 92/31/EEC, 93/68/EEC

EN55082-1, IEC801-2, IEC801-3, IEC801-4, EN60555-2

EN60950, EN55022-B (WY-55 AND WY-55ES)

- *Models/Part Numbers*

NORTH AMERICA:

WY-55, green 901237-01

WY-55, white 901237-04

WY-55, amber 901237-07

WY-55ES, white only 901237-20

(replaces 901237-10)

INTERNATIONAL:

WY-55, green 901237-01

(replaces 901237-02)

WY-55, white 901237-04

(replaces 901237-05)

WY-55, amber 901237-07

(replaces 901237-08)

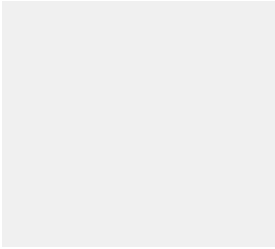
WY-55ES, white only 901237-20

(replaces 901237-08)

- *Communications/Ports*

MODES:

Full/halfduplex, block, half duplex block,



monitor, local

MODEM AND AUX PORT:

Asynchronous EIA RS-232 serial, female DB-25 connector;  
up to 115.2 Kbaud

THIRD PORT: (-ES ONLY):

Centronics compatible parallel printer port

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