



Philips  
CRT monitor

48 cm (19")  
SUXGA

109E50

## when screen size and the environment matter

See more, do more: With high resolution SUXGA performance, a big screen that displays more without scrolling, great features and environmentally friendly lead-free design, this 109E5 CRT monitor delivers an outstanding return on investment.

### Outstanding front of screen performance

- SUXGA 1920 x 1440 resolution for shaper display
- Flat Square Tube reduces distortion and reflection
- sRGB ensures color matching between display and printouts

### Great convenience

- Compatibility with PC, Mac and workstation platforms
- Quick and easy to personalize On-Screen-Display control
- Easy, user friendly plug-and-play installation
- Display more images and content without scrolling

### Green design

- Lead-free design safeguards our environment
- Lower power consumption than the industry average
- TCO'03 guarantees the highest safety and ergonomic standards
- Environmentally responsible Energy Star partner
- For your safety: Aerospace composite fire retardant case

# PHILIPS

# Specifications

## Picture/Display

- Display screen type: Flat Square Tube
- Panel Size: 19"/ 46 cm
- Phosphor: P22
- Recommended display area(mm): 355 x 265 mm
- Recommended Display Area(inch): 14" x 10.4"
- Dot pitch: 0.27 mm
- Dot Pitch (horizontal): 0.23 mm
- White Chromaticity, 5500K:  $x = 0.332 / y = 0.347$
- White Chromaticity, 6500K:  $x = 0.313 / y = 0.329$
- White Chromaticity, 9300K:  $x = 0.283 / y = 0.297$
- Maximum Resolution: 1920 x 1440 @ 60 Hz
- Optimum resolution: 1280 x 1024 @ 85 Hz
- Factory Preset Modes: 7 modes
- Factory Preset Mode: 720 x 400 @ 70 Hz, 800 x 600 @ 75 Hz, 800 x 600 @ 85 Hz, 1024 x 768 @ 75 Hz, 1024 x 768 @ 85 Hz, 1280 x 1024 @ 75 Hz, 1280 x 1024 @ 85 Hz
- Factory Preload Modes: 24 modes
- Video Dot Rate: 240 MHz
- Horizontal Scanning Frequency: 30 - 92 kHz
- Vertical Scanning Frequency: 50 - 160 Hz
- Recommended Refresh Rate: 85 Hz
- Screen enhancement: Anti-glare Polarizer, Anti-Reflection, Anti-Static
- sRGB
- GTF

## Connectivity

- Cables: D-sub Video Cable, Power Cord
- Sync input impedance: 2.2k ohm
- Video input impedance: 75 ohm
- Video input signal levels: 0.7 Vpp
- Sync Input: Composite Sync, Separate Sync, Sync on Green
- Video Sync Polarities: Positive and Negative
- Cable Connection: AC Power in, D-sub



## Convenience

- User convenience: Menu Languages, On-screen Display
- Monitor Controls: Brightness Control, Contrast Control, Left/Right, Menu, Power On/Off, Up/Down
- OSD Languages: English, French, German, Italian, Spanish, Portuguese, Korean, Simplified Chinese
- Plug & Play Compatibility: DDC 2B, sRGB, Windows 98/ME/2000/XP
- Regulatory approvals: CE Mark, FCC-B, UL, CSA, SEMKO, TCO '03, TÜV/GS, TÜV Ergo, FDA, E2000, NUTEK, Energy Star
- Swivel: +/- 90°
- Tilt: -5° to 25°

## Accessories

- Included accessories: AC Power Cord
- User Manual

## Dimensions

- Dimensions (with base) (W x H x D): 440 x 433 x 437 mm
- Temperature range (operation): 0°C to 35°C
- Temperature range (storage): -25°C to 65°C
- Weight: 17.8 kg

## Power

- Complies with: E2000, Energy Star, NUTEK
- Consumption (On mode): 65 w (Typical)
- Consumption (Off Mode): 1 W
- Power LED indicator: Off - Amber, Operation - green
- Power supply: Built-in

# Highlights

## SUXGA, 1920 x 1440 resolution

SUXGA (Super Ultra Extended Graphics Array) is a screen resolution of 1920 x 1440 pixels.

## Flat square tube

A tube designed to reduce distortion and reflection.

## sRGB ready

sRGB is an industry standard that ensures the best possible match between the colors displayed on your screen and those in your printouts.

## Platform compatibility

The ability to work with a variety of platforms; Philips monitors are compatible to connect with PCs and workstation by employing a VGA connection and connect with Macintosh.

## OSD On-Screen-Display control

An on-screen panel for adjusting a monitor. The OSD is used for contrast, brightness, horizontal, vertical positioning and other monitor adjustments.

## Easy plug-and-play

Plug-and-play is a peripheral connectivity standard. A plug and play display device can be connected to a PC and operate without requiring user intervention to adjust complicated settings.

## Large viewing area

Viewing area is the visible portion of a monitor screen available for displaying data.

## Lead-free

Lead-free display products are designed and produced in compliance with strict European Community directives on Restriction of Hazardous Substances (RoHS) standards that restrict lead and other toxic substances that can harm the environment.

## Energy efficiency

Reduction of the electrical power required to operate a device to achieve real savings.

## TCO '03 compliance

A TCO (Swedish Confederation of Professional Employees) standard even more stringent than MPR-II for safety and ergonomics, especially concerning alternating electric fields (AEF).

## Energy Star partner

A manufacturer in compliance with power conservation requirements set forth by the Environmental Protection Agency of the U.S. government.

## Flame retardant cabinet

PC/ABS plastic composite is the industry's best and toughest flame-retardant casing material; and is a space-age compound deployed in the aerospace and automotive industries as well as in fire detectors that is compliant with most stringent fire safety standards.



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