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
• Plug and play for easy and friendly installation
• Large viewing area for seeing more images without scrolling

Green design
• Lead-free display protects your health and our environment
• Lower power consumption than the industry average
• MPRII ensures safety by limiting electromagnetic radiation emissions
• Environmentally responsible Energy Star Partner
• Flame retardant case safeguards the display from fire

PHILIPS

19 inch CRT Monitor

Commercial Specifications

Picture/Display

- Display Screen Type — Flat Square Tube
- Panel Size — 19"/ 46 cm
- Phosphor — P22
- Recommended Display Area — 355 x 265 mm (14" x 10.4")
- Dot Pitch — 0.27 mm
- Horizontal Dot Pitch — 0.23 mm
- White Chromaticity, 5500º K — $x = 0.332 / y = 0.347$
- White Chromaticity, 6500º K — $x = 0.313 / y = 0.329$
- White Chromaticity, 9300º K — $x = 0.283 / y = 0.297$
- Maximum Resolution — 1920 x 1440 @ 60 Hz
- Recommended Resolution — 1280 x 1024 @ 85 Hz
- Factory Preset Modes — 7 modes
  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 Enhancements — Anti-glare Polarizer, Anti-Reflection, Anti-Static
- sRGB — Yes
- GTF — Yes

Connectivity

- Cables — D-sub Video Cable, Power Cord
- Sync Input Impedance (ohm) — 2.2 k
- Video Input Impedance (ohm) — 75
- Video Input Signal Levels — 0.7 Vpp
- Video Sync Input Signal — Composite Sync, Separate Sync, Sync on Green
- Video Sync Polarities — Positive and Negative
- Cable Connection — AC Power in, D-sub

Convenience

- Convenience Enhancements — 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, Simplified Chinese, Spanish, Portuguese, Korean
- Plug & Play Compatibility — DDC 2B, sRGB, Windows 98/ME/2000/XP
- Regulatory Approvals — CE Mark, FCC-B, UL, CSA, SEMKO, MPR-II, Low Emission, TÜV/GS, TÜV Ergo, FDA, E2000, NUTEK, Energy Star
- Swivel — +/- 90°
- Tilt — -5° to 25°

Accessories

- Included Accessories — AC Power Cord
- User Manual — Yes

Dimensions

- Depth (with base) — 437 mm
- Height (with base) — 433 mm
- Width (with base) — 440 mm
- Temperature Range (Operation) — 0°C to 35°C
- Temperature Range (Storage) — -25°C to 65°C
- Weight — 17.8 kg

Power

- Comply With — E2000, Energy Star, NUTEK
- Consumption — 65 W (Typical)
- Off Mode — 1 W
- Power LED Indicator — Off, Amber; Operation, Green
- Power Supply — Built-in

Product 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
Calibrated RGB that is optimized for the vast majority of computer peripherals, monitors, operating systems and browsers, allowing accurate color mapping with very little data overhead.

Platform compatibility
The ability to work with a variety of platforms: Philips monitors are compatible with PCs and workstations by employing a VGA connection and connect with Macintoshes.

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

Easy plug and play
The ability of display device to plug in a PC and operate without requiring user intervention to adjust complicated settings.

Large viewing area
The visible portion of a monitor screen available to display data.

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

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

MPRII
The world standard setting stringent levels for electromagnetic radiation emitted by monitors.

Energy Star Partner
Power conservation requirements set forth by the Environmental Protection Agency of the U.S. government.

Flame retardant case
A system of limiting accidental fires by engineering flame retardants into the monitor's case.

PHILIPS