



Philips  
LCD monitor

48 cm (19")  
SXGA

190B7CS

## Large convenient display to increase productivity

With a full range of convenient features, combined with SmartManage remote monitor management and Philips Perfect Panel™ warranty, the 190B7 delivers an extremely convenient display with an attractive total cost of ownership.

### Maximum comfort for maximum productivity

- Tilt, swivel and height-adjust for an ideal viewing position

### Outstanding front of screen performance

- Fast 8ms On/off response time: Great text & graphics display
- SXGA 1280 x 1024 resolution for sharper display
- Dual input accepts both analog VGA and digital DVI signals
- ISO 13406-2 Class I compliant dot-defect-free display

### Best total cost of ownership solution

- Complies with RoHS standards to care for the environment
- SmartManage compatibility enables LAN-based asset management
- Empowered for Windows Vista

### Great convenience

- Easy to adjust display settings with Philips SmartControl
- USB port for convenient peripheral connections
- Built-in speakers for audio without desktop clutter

# PHILIPS

LCD monitor  
48 cm (19") SXGA

# Highlights

## Windows Vista ready

Philips Vista-ready monitors are empowered for vibrant, exciting display of this new, visually sophisticated and demanding Windows operating system, designed to enhance your entertainment experience, make you more productive and help you control your computing experience at home and in the office, making viewing, finding and organizing information for work or play quick, efficient and easy.

## SmartManage enabled

SmartManage is a system for monitoring, managing and checking status of display devices as well as delivering remote support to users who experience difficulties - all accomplished over a LAN.

## Compliant with RoHS standards

Philips designs and produces display products in compliance with strict Restriction of Hazardous Substances (RoHS) standards that restrict lead and other toxic substances that can harm the environment.

## PerfectPanel™

Bright dots and dark dots are defects in a LCD panel. While some manufacturers still consider bright and dark defects in a LCD panel an inevitable part of the manufacturing process, Philips doesn't. Philips monitors, compliant with ISO 13406-2 Class I standard, are produced with zero tolerance for LCD panel defects and backed by Philips PerfectPanel™ globally valid warranty providing repair or replacement of any LCD monitors that display even a single defective bright or dark dot.

## 8ms response time (On/Off)

On-Off response time is the period required for a liquid crystal cell to go from active (black) to inactive (white) and back to active (black) again. It is measured in milliseconds. Faster is better: Lower response time means faster

transitions and, therefore, results in fewer visible image artifacts in the display of transition of text and graphics. On-Off response time is a more important measure in the display of business content like documents, graphs and photos.

## SXGA, 1280 x 1024 resolution

For graphics monitors, the screen resolution signifies the number of dots (pixels) on the entire screen. For example, a 1280-by-1024 pixel screen is capable of displaying 1280 distinct dots on each of 1024 lines, or about 1.3 million pixels.

## Dual input



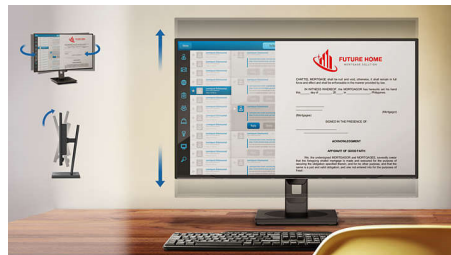
VGA connector



DVI connector

Dual input provides connectors to accommodate input of both analog VGA and digital DVI signals.

## Compact Ergo Base



The Compact Ergo Base is a people-friendly Philips monitor base that tilts, swivels and height-adjusts so each user can position the monitor for maximum viewing comfort and efficiency.

190B7CS/00

## USB 2.0 port



USB port allows user to conveniently connect their plug and play multimedia devices such as USB memory devices, camera, portable HDD, Web camera, PDA, Printer and many other devices which has USB connection available. The conveniently located USB 2.0 port on the monitor allows USB 2.0 signals to pass thru to the computer. Note that many devices like cameras and HDD may need to be powered On independently, as they have higher power requirements than the monitor USB port can provide

## SmartControl

PC software for fine tuning display performance and settings. Philips offers users two choices for display setting adjustment. Either navigate the multilevel On Screen Display menu through buttons on the display itself or use the Philips SmartControl software to easily adjust the various display settings in a familiar way.

## Built-in speakers

A pair of stereo speakers built into a display device. It can be visible front firing, or invisible down firing, top firing, rear firing, etc depending on model and design.



# Specifications

## Connectivity

- Audio output: Stereo Audio (3.5 mm jack) 1x
- Signal Input: VGA (Analog), DVI-D, PC Audio in
- USB: USB 2.0 x 1
- Sync Input: Composite Sync, Separate Sync, Sync on Green
- Sync input impedance: 2.2k ohm
- Video input impedance: 75 ohm
- Video input signal levels: 0.7 Vpp

## Picture/Display

- Panel Size: 19"/ 48cm
- LCD panel type: 1280 x 1024 pixels, Anti-glare polarizer, RGB vertical stripe
- Pixel pitch: 0.294 x 0.294 mm
- Optimum resolution: 1280 x 1024 @ 60 Hz (digital input)
- Brightness: 300 cd/m<sup>2</sup>
- Display colors: 16.2 M
- Contrast ratio (typical): 700:1
- Response time (typical): 8 ms
- Viewing angle: @ C/R &gt; 5
- Viewing angle (horizontal): 176 degree
- Viewing angle (vertical): 170 degree
- Horizontal Scanning Frequency: 30 - 83 kHz
- Vertical Scanning Frequency: 56 - 76 Hz
- Maximum Resolution: 1280 x 1024 @ 75 Hz (digital input)
- Effective viewing area: 376.3 x 301.1 mm
- sRGB
- Video Dot Rate: 140 MHz
- White Chromaticity, 6500K: x = 0.313 / y = 0.329
- White Chromaticity, 9300K: x = 0.283 / y = 0.297

## Convenience

- Plug & Play Compatibility: DDC/CI, sRGB, Windows 98/ME/2000/XP/Vista
- Built-in Audio: 2W RMS x 2 stereo speakers
- User convenience: On-screen Display, SmartManage enabled
- Monitor Controls: Auto, Brightness Control (Up/Down), Left/Right, Menu (OK), Power On/Off, Volume control
- Regulatory approvals: CE Mark, EMC, Energy Star, FCC-B, UL, CSA, SEMKO, TCO '03, TÜV/GS, TÜV Ergo
- OSD Languages: English, French, German, Italian, Russian, Spanish

- Other convenience: Kensington lock compatible
- Swivel: +/- 60°
- Tilt: -5° to 25°
- VESA Mount: 100 x 100 mm

## Power

- Power supply: Built-in, 100-240VAC, 50/60Hz
- Consumption (On mode): 40 W (Typical)
- Power LED indicator: Operation - green, Stand by/ sleep - Amber
- Complies with: Energy Star
- Consumption (Off Mode): &lt; 1 W

## Dimensions

- Box depth: 507 mm
- Set width (with stand): 422 mm
- Box height: 198 mm
- Set width (with stand) (inch): 16.6 inch
- Box width: 503 mm
- Set height (with stand): 405 mm
- Set height (with stand) (inch): 15.9 inch
- Set Width: 422 mm
- Height adjustment range: 60 mm
- Set depth (with stand): 198.8 mm
- Set Height: 374.2 mm
- Set Depth: 68.7 mm
- Set depth (with stand) (inch): 7.8 inch
- Set Width (inch): 16.6 inch
- Temperature range (operation): 5°C to 40°C
- Set Height (inch): 14.7 inch
- Temperature range (storage): -20°C to 60°C
- Set Depth (inch): 2.7 inch
- Box depth (inch): 20 inch
- Box height (inch): 7.8 inch
- Box width (inch): 19.8 inch
- Product weight (+stand): 6.14 kg
- Product weight (+stand) (lb): 13.5 lb
- Weight incl. Packaging: 7.55 kg
- Weight incl. Packaging (lb): 16.6 lb
- Relative humidity: 20% - 80%
- MTBF: 50,000 hrs
- Height adjustment range (inch): 2.4 inch

## Accessories

- Included accessories: AC Power Cord, Audio Cable, USB cable, VGA cable
- User Manual
- Optional accessories: Super Ergo Base

