



Philips  
LCD monitor

48 cm (19")  
SXGA

190B5CB

## the best productivity solution

Superior performance for tough jobs: With superior ergonomics and excellent, clear display plus SmartManage for remote, LAN-based monitor management and low power consumption, the Philips 190B5 delivers a big-screen productivity edge.

### Outstanding front of screen performance

- Wide viewing angle for extra freedom
- Fast response time for great display of moving images
- SXGA 1280 x 1024 resolution for sharper display
- Dual input accepts both analog VGA and digital DVI signals
- sRGB ensures color matching between display and printouts

### Maximum comfort for maximum productivity

- Built-in speakers for audio without desktop clutter
- Adjustable screen height for the ideal viewing angle
- Tilt and swivel adjustment for an ideal viewing angle

### Lower total cost of ownership

- SmartManage compatibility enables LAN-based asset management
- Power consumption below the industry average

### Great convenience

- Embedded power supply eliminates external power adaptors

**PHILIPS**  
sense and simplicity

# Highlights

## Wide viewing angle

A wide viewing angle provides the clearest display with little reflection from virtually any angle.

## Fast response time

Response time measures signal reaction speed in milliseconds. On/off response time measures the time required for the screen to turn from completely white to completely black and vice versa. Fast on/off response time improves display of text. Gray-to-grey response time measures the average time of transition between several sets of random gray levels - Lower numbers mean faster transitions. Faster is better because a fast response time eliminates visible image artifacts that could dampen your experience when viewing fast moving images or objects.

## 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

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

## 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.

## Built-in speakers

A pair of high quality 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.

## Adjustable height

Adjustable height is the ability of a monitor to travel up or down on its base and lock into position when the desired height is reached, delivering a comfortable, individualized viewing

angle that is just right for the user's height, weight, body-type and posture, alleviating possible eyestrain or fatigue that can come from long hours working on a computer.

## Screen tilt and swivel

Screen tilt and swivel is a mechanism built into the base permits the monitor to swivel and tilt backward or forward.

## 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.

## Lower power consumption

Reduction of the electrical power required to operate a device.

## Embedded power supply

An embedded power supply is a power adaptor built into the body of a display device that replaces a bulky external power adaptor.



# Specifications

## Picture/Display

- LCD panel type: 1280 x 1024 pixels, Anti-glare polarizer, RGB vertical stripe
- Panel Size: 19"/ 48cm
- Effective viewing area: 376.3 x 301.1 mm
- Pixel pitch: 0.294 x 0.294 mm
- Brightness: 250 cd/m<sup>2</sup>
- Contrast ratio (typical): 500:1
- Display colors: 16 M
- Viewing angle: @ C/R > 10
- Viewing angle (H / V): 176 / 176 degree
- Response time (typical): 25 ms
- White Chromaticity, 6500K: x = 0.313 / y = 0.329
- White Chromaticity, 9300K: x = 0.283 / y = 0.297
- Maximum Resolution: 1280 x 1024 @ 75 Hz
- Optimum resolution: 1280 x 1024 @ 60 Hz
- Factory Preset Modes: 15 modes
- User definable modes: 14 modes
- Horizontal Scanning Frequency: 30 - 82 kHz
- Refresh Rate (V): 56 - 76 Hz
- sRGB

## Connectivity

- Signal Input: VGA (Analog), DVI-D, PC Audio in
- I/O interface on pad: Headphone jack

## Convenience

- Built-in Audio: 2W RMS x 2 stereo speakers
- User convenience: On-screen Display, SmartManage
- Monitor Controls: Auto, Brightness Control, Left/Right, Menu (OK), Power On/Off, Up/Down, Volume control
- OSD Languages: English, French, German, Italian,

- Simplified Chinese, Spanish
- Other convenience: Kensington lock
- Plug & Play Compatibility: DDC CI, sRGB, Windows 98/ME/2000/XP
- Regulatory approvals: CE Mark, E2000, EMC, FCC-B, UL, CSA, NUTEK, Energy Star, SEMKO, TCO '99, TÜV/GS, TÜV Ergo
- Swivel: +/- 175°
- Tilt: -5° to 30°
- VESA Mount: 100 x 100 mm

## Accessories

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

## Dimensions

- Dimensions (with base) (W x H x D): 425 x 410 x 235 mm
- Height adjustment range: 40 mm
- MTBF: 50,000 hrs
- Relative humidity: 20% - 80%
- Temperature range (operation): 5°C to 35°C
- Temperature range (storage): -20°C to 60°C
- Weight: 7.8 kg

## Power

- Complies with: E2000, Energy Star, NUTEK
- Consumption (On mode): 40 W (Typical)
- Consumption (Off Mode): 1 W
- Power LED indicator: Operation - green, Stand by/ sleep - Amber
- Power supply: Built-in



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