

15" TFT LCD XGA color monitor



# Embedded Power Supply

- 15-inch color LCD monitor with excellent display performance
- Ultra slim frame design
- Standard VGA analog input
- Embedded universal AC power supply
- AUTO adjustment optimizes picture quality



**PHILIPS**

# 15" TFT LCD XGA color monitor



## Technical Specifications

### LCD panel

- Type TFT LCD
- Screen size 15 inch / 38.1 cm
- Pixel pitch 0.297 x 0.297mm
- LCD panel type 1024 x 768 pixels, R.G.B vertical stripe
- Effective viewing area 304.1 x 228.1mm
- Display colors 16.7M colors

### Scanning

- Vertical refresh rate 56~76 Hz
- Horizontal frequency 30~61 KHz

### Video

- Video dot rate 80 MHz
- Input impedance
  - video 75 ohm
  - Sync 2K ohm
- Input signal levels 0.7Vpp
- Sync input signal
  - Separate sync
  - Composite sync
  - Sync on green
- Sync polarities Positive and negative
- Video interface Analog (D-Sub) input

### Optical characteristics

- Contrast ratio 400 (typ.)
- Brightness 250 cd/m2 (typ.)
- Peak contrast angle 6 o'clock
- White chromaticity
  - x: 0.283 y: 0.297 (at 9300°K)
  - x: 0.313 y: 0.329 (at 6500°K)
- Viewing angle (C/R >5)
  - Upper ≥ 50° (typ.)
  - Lower ≥ 60° (typ.)
  - Left ≥ 75° (typ.)
  - Right ≥ 75° (typ.)
- Response time ≤30 ms (typ.)

### Resolution & preset modes

- Maximum 1024x768 at 75Hz
- Recommended 1024x768 at 60Hz
- 14 user definable modes
- 14 factory preset modes:

	H.freq (KHz)	V.freq (Hz)
640 x 350	31.5	70
720 x 400	31.5	70
640 x 480	31.5	60
640 x 480	35.0	67
640 x 480	37.8	73
640 x 480	37.5	75
800 x 600	35.2	56
800 x 600	37.9	60
800 x 600	48.0	72
800 x 600	46.9	75
832 x 624	49.7	75
1024 x 768	48.4	60
1024 x 768	56.5	70
1024 x 768	60.0	75

(Interlace mode is not applicable)

### Plug and play compatibility

- Display data channel DDC 2B (VESA)
- Microsoft® Windows® 95/98/ Me & 2000/ XP compatible

### Power management

- Complies with EPA Energy Star and NUTEK specifications
- Typical operation 18W (typical)
- Sleep mode 1W

### Low-emission characteristics

- Complies with MPR-II and TCO '99 specifications

### Monitor controls and functions

- Front
  - Power on/off - Tact Switch
  - OK - Tact Switch
  - Auto - Tact Switch
  - Up/Down (Brightness) - Tact Switch
  - Left / Right - Tact Switch
- LED indicator
  - Green power on
  - Amber stand by/sleep mode
  - Flashing Green new mode

### Connections and cables

- Connections on monitor body
  - Video 15-pin D-sub (analog) connector
  - DC output 12V, 6.5mm DC connector
  - Power IEC/CEE-22 type male power inlet
- Cables D-Sub video cable, Power cable

### Regulatory approvals

- TÜV/GS, TÜV-Ergo
- FCC-B, UL, CSA
- SEMKO
- MPR-II Low Emission
- CE Mark
- NUTEK, Energy Star
- TCO '99

### Physical specifications

- Dimension (WxHxD) 343 x 310 x 170 mm (incl. Pedestal)
- Tilt -5°~25°
- Weight 3.7 Kg
- Power supply 100 – 240 VAC, 50/60 Hz
- Power consumption 18 W\* (typ.)
- Temperature (operating) +5°C to +40°C
- Temperature (storage) -20°C to +60°C
- Relative humidity 20% to 80%
- System MTBF 50K hrs (excluding CCFL 30K hrs)

\* Resolution 1024x 768, standard size, contrast max., brightness 50%, 9300°K, full white pattern, without Audio/USB.

We recommend using 1024 x 768 at 60Hz non-interlaced mode for the best picture quality

As an Energy Star partner, Philips has determined that this product meets the Energy Star guidelines for energy efficiency. Microsoft and Windows are registered trademarks of Microsoft Corporation

All data subject to change without notice  
Release date: December 2002

[www.philips.com](http://www.philips.com)

