

15" TFT LCD XGA monitor



## Ultra Slim Frame

- 15-inch color LCD monitor with excellent display performance
- Stereo 1W/channel RMS x 2 speakers
- Standard VGA analog input
- Embedded universal AC power supply
- Adjustable viewing height
- Adjustable tilt function
- AUTO adjustment optimizes picture quality



**PHILIPS**

# 15" TFT LCD XGA 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

### Audio

- Input signal level 0.7 Vpp
- Input signal connector 3.5mm mini jack
- Loudspeaker 1W/channel RMS x2

### Optical characteristics

- Contrast ratio 400 (typ.)
- Brightness 250 cd/m<sup>2</sup> (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.)  
(Tr ≤8 ms, Tf ≤22 ms)

### 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 TCO '03, MPRII and prEN50279 (MPRIII) 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 power save/OFF mode
  - Flashing Green new mode

### Audio controls & function

- Front controls
  - Power on/off - Tact Switch
  - Volume adjustment - Rotary button
- LED indicator
  - Green power on

### 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, Audio cable

### Regulatory approvals

- TUV/GS, TUV-Ergo
- FCC-B, UL, CSA
- SEMKO
- prEN50279 Low Emission
- CE Mark
- NUTEK, Energy Star
- TCO '03

### Physical specifications

- Dim. incl. base (WxHxD) 343 x 319 x 218 mm (in lowest position)
- Dim. excl. base (WxHxD) 343 x 279 x 55 mm
- Tilt -5°~25°
- Height adjustment range 48mm
- Weight 3.9 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 1024 x 768, standard size, contrast max., brightness 50%, 9300°K, full white pattern, without Audio.

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

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