

15" TFT LCD XGA monitor



Attractive design for the stylish home

- **15-inch color LCD monitor with excellent display performance**
- **Standard VGA analog input**
- **Embedded universal AC power supply**
- **AUTO adjustment optimizes picture quality**
- **sRGB compliance**
- **Intelligent cable management keeps desk clear of unsightly wires**
- **TCO2003**



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
Anti-glare polarizer; hard coated
- 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 0.7 Vpp
- 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 ≤ 25 ms (typ.)

Resolution & preset modes

- Maximum 1024x768 at 75Hz
 - Recommended 1024x768 at 60Hz
 - 15 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 2003 specifications

Monitor controls and functions

- Side
 - 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

- TUV/GS, TUV-Ergo
- FCC-B, UL, CSA
- SEMKO
- MPR-II Low Emission
- CE Mark
- NUTEK, Energy Star
- TCO 2003

Physical specifications

- Dim. incl. base (WxHxD) 360 x 358 x 177 mm (incl. pedestal)
- Dim. excl. base (WxHxD) 360 x 294 x 55 mm
- Tilt -5°~25°
- Net Weight 3.0 Kg
- Gross Weight 4.3 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

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All data subject to change without notice

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