

# 107 MB

## 17" (15.9" VIS) COLOUR MONITOR

### GENERAL

- 17" (15.9" VIS) colour monitor for use with all PC's and Apple computers
- DDC1/2B (VESA standard) function allows bi-directional communication between the monitor and PC for optimal video configuration
- Power Management complies with NUTEK and EPA Energy Star (requires VESA-DPMS signalling), with status indication by power LED
- Low-emission specifications comply with TCO '95 (optional) (17B2302Q) and MPR-II (17B2302N) standards
- Built-in stereo audio and microphone for CD-ROM and multimedia applications
- Ergonomic performance complies with ISO 9241-3



### SCANNING FREQUENCIES

- Autoscan covers horizontal frequencies from 30 to 86 KHz and vertical frequencies from 50 to 160 Hz
- Flicker-free display through high refresh rates up to 85 Hz (1280 x 960 mode)

### SCREEN PERFORMANCE

- Flat Square screen with anti-glare and anti-static Silica coating
- High-resolution 0.22 mm horizontal pitch.

### CONTROL FUNCTIONS

- Digitally controlled colour and geometry adjustment, including tilt control, with 9 factory-preset, 9 user-definable modes and 4 new modes
- On Screen Display with 5 languages of adjustment parameters
- Choice of preset 9300 K and 6500 K colour temperature settings, plus user-definable R.G.B. balance setting
- With zoom and sync on green controls

### CONNECTIONS AND CABLES

- Fixed video interface cable
- Audio cable
- Power cable
- Microphone connection cable
- Headphone mini-jack(output)
- Microphone mini-jack(input)
- Microphone mini-jack(output)
- Audio-in mini-jack



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### TECHNICAL SPECIFICATIONS

#### CRT

Size and deflection	17 inch/ 40 cm
	90° deflection angle
Horizontal pitch	0.22 mm
Tube type	Flat square, light transmission of 42 % anti-glare, anti-static, Silica coating
Phosphor	P22
Recommended display area	306 x 230 mm
Maximum display area	323 x 242 mm

#### SCANNING

Horizontal scanning	30 - 86 KHz
Vertical scanning	50 - 160 Hz

#### VIDEO

Video dot rate	148.5 MHz
Input impedance	
- Video	75 ohm
- Sync	2.2K ohm
Input signal levels	700 mVpp
Sync input signal	Separate sync Composite sync sync on green video
Sync polarities	Positive and negative

#### AUDIO

Input signal level	800 mVrms
Loudspeakers	Two built in side firing stereo
Headphone output	2 x 15 mW in 32 ohm
Microphone	Internal electrical condenser

#### DISPLAY PERFORMANCE PARAMETERS

White colour temperature and chromaticity CIE coordinates:			
at 9300 K degrees	x = 0.281	y = 0.311	
at 6500 K degrees	x = 0.313	y = 0.329	

#### RESOLUTION AND PRESET MODES

Maximum resolution	1280 x 1024 pixels n.i. at 75 Hz
9 user-definable modes	
9 factory-preset modes	H. freq. V. freq. Standard (KHz) (Hz)
640 x 400	31.5 70 VGA
640 x 480	31.5 60 VGA
640 x 480	43.3 85 VESA/85
800 x 600	46.9 75 VESA/75
800 x 600	53.7 85 VESA/85
1024 x 768	60.0 75 VESA/75
1024 x 768	68.7 85 VESA/85
1280 x 1024	80.0 75 VESA/75
1280 x 960	85.9 85 VESA/85

#### PLUG AND PLAY COMPATIBILITY

Display Data Channel DDC1/2B (VESA)

#### POWER MANAGEMENT

Complies with EPA Energy Star and NUTEK specifications

Mode	Power saving Energy Star (EPA)	NUTEK
Standard Operation	Rated power	Rated power
Low Power (screen blanking)	-10%	-10%
Lower Power	< 15 W	< 15 W
Lowest Power	< 8 W	< 5 W
Power management status indication by power LED		

#### LOW-EMISSION CHARACTERISTICS

Complies with MPR-II or TCO '95 (optional) specifications:

	MPR-II	TCO '95
Electrostatic potential	< 500 V	< 500 V
Alternating electric field:		
5 Hz - 2 KHz	< 25 V/m	< 10 V/m*
2 KHz - 400 KHz	< 2.5 V/m	< 1.0 V/m*
Magnetic field		
5 Hz - 2 KHz	< 250 nT	< 200 nT*
2 KHz - 400 KHz	< 25 nT	< 25 nT
Measuring distance	50 cm around monitor	( * = 30 cm in front of screen)

#### MONITOR CONTROLS AND FUNCTIONS

Front (from right to left)	OSD rotary knob Contrast OSD Brightness Volume
OSD Menu (on screen display)	H/V size, H/V position Zoom, Pincushion, Trapezoid, Rotation, Balanced pincushion, Parallelogram, Color temperature, Power saving, Moiré, Language, OSD timer, DDC1/2B, Sync input select, Monitor status, Degauss, Mute, Reset Power on/off Headphone socket External microphone socket Microphone output socket Audio input socket
Top	
Side	
Rear	

#### CONNECTIONS AND CABLES

Connections	
-Video	15-pin D-shell flying-in cable
-Audio	2 RCA cinch-type socket
-Microphone	2 RCA cinch-type socket
-Cables	Audio, Power, MIC, Video

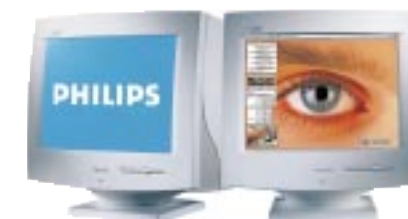
#### REGULATORY APPROVALS

MPR-II Low Emission  
TCO '95 (optional)  
TUV/GS/TUV-Ergo/9241-3  
FCC-B/UL/CSA, DHHS  
SEMKO, Poland-B sign, C-Tick  
VCC-I, CE, BCIQ, PSB

#### PHYSICAL SPECIFICATIONS

Dimensions (W x H x D)	417 x 432 x 467 mm (incl. pedestal)
Weight	18.0 kg
Power supply	90 - 264 VAC, 50/60 Hz
Power consumption	85 Watt*
Temperature (operating)	0°C to +65°C
Temperature (storage)	-25°C to +70°C
Relative humidity	5% to 95%
MTBF	> 50,000 hours (excluding CRT)

(\* = Maximum resolution, preset size, 9300 Kelvin, brightness center, contrast max. & full white pattern, but w/o audio.)



This monitor fulfils all Nutek requirements regarding power management  
Philips is a partner in the EPA's Energy Star Computers Program.

As an Energy Star partner, Philips has determined that this product meets the Energy Star guidelines for energy efficiency.  
MS-DOS is a registered trademark and Windows/Windows 95 is a trademark of Microsoft Corp.  
All data subject to change without notice. Release date: May 1998



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