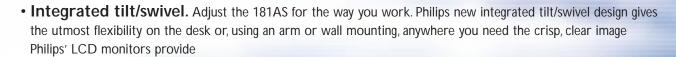# 18.1" (18.1" VIS) High-Resolution Active Matrix LCD Monitor with BRILLIANCE Technology

- **Bigger, Brighter, More Brilliant.** Philips brings advanced LCD technology to the larger display format. The flicker-free screen allows you to enjoy your monitor longer with little or no eye strain

- **160° viewing angle.** Top-to-bottom, side-to-side, the 181AS can be viewed clearly and vividly from any angle

- **Flexible bezel configuration.** Easily install a protective cover or touch-screen in place of the standard bezel, and you are ready to go in minutes. No service call, no hassle, and it's even spill-proof

- **Integrated tilt/swivel.** Adjust the 181AS for the way you work. Philips new integrated tilt/swivel design gives the utmost flexibility on the desk or, using an arm or wall mounting, anywhere you need the crisp, clear image Philips' LCD monitors provide

- **One-click connectivity.** Implement USB Technology with one simple connection into the USB Bay™ slot. In addition the included CustoMax monitor control software for Windows '95®/'98® allows complete monitor control via the standard USB device in the 181AS

- **Long-life backlight.** Using Philips new technology, you'll now get two times the life out of your LCD monitor with our 30,000-hour backlight. That's almost four years of unparalleled performance

- **Philips technology.** You have come to expect that LCD monitors will take up less space and provide solid, flicker-free images. The 181AS also offers multiple input capability- both VGA and 5xBNC connectors are included, and you can designate which input has priority. Auto configuration with the touch of one button, and the ability to expand any 4:3 image to fill the 5:4 screen are examples of Philips superior solution

Wide Viewing Angle

Designed for Microsoft® Windows 98

USB BAY UNIVERSAL SERIAL BUS

FIRST CHOICE

TCO 99

2000

Energy

USB UNIVERSAL SERIAL BUS

CustoMax 4
interactive monitor software via USB

Plug and Play

Let's make things better.

PHILIPS

PRODUCT NUMBER *18L8025Q*
TECHNICAL SPECIFICATIONS:

LCD PANEL

Screen Size	18.1"/46 cm
Pixel Pitch	0.280 x 0.280mm
Panel Type	Active Matrix TFT LCD
Display Format	1280 x 1024
	RGB Vertical Stripe
Surface Treatment	Non-glare, Hard Coat
Interface	Analog
Light Transmission	3%
Surface (Pencil) Hardness	3H
Backlight	CCFL x 4
Display Area	14.1" x 11.3"/359.0 x 287.2 mm

VIDEO

Video	135MHz
Input Impedance:	
- Video	75Ω
- Sync	2kΩ
Input Signal Levels:	0.7Vp-p
	0.286Vp-p (S-O-G)
- Sync Input Signal	Separate Sync
	Composite Sync
	Sync on Green
Sync Polarities	Positive and Negative

AUDIO

Input Signal Level	0.5Vp-p
Loud speakers	2 Built-in, Front-firing
	1+1 Watt Stereo
Earphone Out	32Ω, 20+20mW
Microphone	Internal Electrical Condenser

RESOLUTION AND PRESET MODES

Maximum Resolution   1280 x 1024 @ 75Hz
30 User Definable Modes
16 Factory Preset Modes:

Resolution	Mode	H. Freq. (kHz)	V. Freq. (Hz)	Standard
640 x 350	n.i.	31.5	70	VGA®
720 x 400	n.i.	31.5	70	VGA®
640 x 480	n.i.	31.5	60	VGA®
640 x 480	n.i.	35.0	67	MAC®
640 x 480	n.i.	37.5	75	VESA®/75
800 x 600	n.i.	35.2	56	SVGA®
800 x 600	n.i.	37.9	60	VESA®/75
800 x 600	n.i.	46.9	75	SVGA®
832 x 624	n.i.	49.7	75	MAC®
1024 x 768	n.i.	48.4	60	XGA®
1024 x 768	n.i.	56.5	70	VESA®/70
1024 x 768	n.i.	60.0	75	VESA®/75
1152 x 870	n.i.	69.0	75	MAC®
1152 x 900	n.i.	71.8	76	SUN/SPARC
1280 x 1024	n.i.	63.9	60	SXGA®
1280 x 1024	n.i.	80.0	75	VESA®/75

PLUG-AND-PLAY COMPATIBILITY

Display Data Channel DDCI/2B (VESA)

LOW-EMISSION CHARACTERISTICS

Complies with MPR-II and TCO 1999 Specifications

OPTICAL CHARACTERISTICS

(at 77°F/25°C)

Contrast Ratio (C/R)	200:1
Brightness	180cd/m² (typical)
Viewing Angle (C/R>5)	
- Horizontal	160° (±80°)
- Vertical	160° (±80°)

Response time
(0- = 0°, 0/ = 0°) t_{rise} = 28mS (typ)
                      t_{fall} = 28mS (typ)

Number of Colors   16.7 million
White Color Temperature and Chromaticity
CIE Coordinates: (measured at ±0°H/±0°V)

at 9300°K:	x = 0.281
	y = 0.311
at 6500°K:	x = 0.312
	y = 0.338
at 5500°K:	x = 0.332
	y = 0.347
as shipped at 100% RGB	x = 0.320
	y = 0.359

POWER MANAGEMENT

Complies with EPA Energy Star, NUTEK, and TCO '99 Specifications

Philips 181AS consumes less than 3 Watts in Power Off mode

REGULATORY APPROVALS

UL	CSA	TUV/GS
CE	FCC-B	TCO '99
NOM	SEMKO	TUV/ERGO

MPR II Low Emission

CONTROLS AND CONNECTIONS

Front:

- Power	- Headphone Jack
- Video 1/2 Button	- Auto Button
- Mute Button	- OSD Button
- Brightness Button	- Rotary Knob

Rear:
- Power Input Socket A/C & D/C
- 15-Pin D-Sub Input
- 3.5 mm Mini-jack Audio Input
- 3.5 mm Mono Mini-jack Microphone Input
- 5xBNC Inputs
- Headphone Jack
- Kensington® Lock Socket
- USB Device (Upstream) Socket

OSD Controls:

- Brightness	- Color Temp.	- H. Position
- Contrast	- OSD Time	- V. Position
- Volume	- OSD Position	- Phase Adj.
- Exit	- Power Saving	- Clock Adj.
- Reset	- Rotary Default	- Expand Mode
- Language	- Display Size	- Product
- Video Input Priority		Information

Cables:
- Detachable Power Cord
- Detachable D-Sub Interface Cable
- Detachable Stereo Audio Cable
- Detachable Microphone Cable
- USB Upstream to Downstream (A to B) Cable

Supported Platforms:
MS-DOS®, Macintosh®, O/S 2®, Windows®, Windows '95®, Windows '98®, Windows NT®

Supplied Software:
Includes Windows '95®/'98® drivers, CustoMax® for Windows '95®/'98® Monitor Control Software, FP Adjust for Windows 95®/'98® Panel Optimization Software

AVAILABLE ACCESSORIES:

Protective Cover	4G35022Q
USB Wedge	4G350A2H
VESA Mount (not shown)	4G35082Q

PHYSICAL SPECIFICATIONS

Unit Dimensions	17.8"W x 18.8"H x 7.1"D
	451 x 476 x 181 mm
	(including pedestal)
Unit Weight	17.2 lbs./7.8 kg.
	(including pedestal)
Carton Dimensions	22.0"W x 22.6"H x 9.4"D/
	560 x 575 x 240 mm
Carton Weight	22.0 lbs./10.0 kg.
UPC Code	0 37849 88794 3
Power Supply	90-264 Vac, 50/60Hz
Power Consumption	48 Watts Maximum
Operating Temperature	32°F to 104°F/
	0°C to 40°C
Relative Humidity	20% to 80%
Storage Temperature	-13°F to 140°F/
	-25°C to 60°C
MTBF	>30,000 Hours
	(excluding LCD)
CCFL Lifetime	30,000 Hours
	(brightness ≥50% of original)

Rear view showing location of USB Bay for optional USB Wedge

BRILLIANCE

USB TECHNOLOGY

For those who need support for USB peripherals, adding Philips optional USB wedge is a snap. Just click the USB wedge onto the back of the monitor base, and let your computer do the rest. Don't worry about IRQ settings, hardware interrupts, or jumpers; with USB, those decisions will be automatically made by your operating system. The USB wedge is a fully powered hub supporting five USB devices: four downstream and one upstream.

FOR MORE INFORMATION

Internet Address: http://www.pcstuff.philips.com

FAX INFORMATION SYSTEM: (423) 521-4341
TECHNICAL SUPPORT:
toll free (877) 835-1838 (USA)
toll (903) 242-4804 (outside USA)

Literature order form: 18L8025QA

Specifications subject to change without notice.

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