

AGF 9000 

19" COLOR

18.0" VIEWABLE

MONITOR



Princeton offers the AGF900 19" (18"VIS) display with the Diamondtron™ NF CRT. Front-of-screen performance is phenomenal, with virtually no geometric distortion. In addition, reflection and glare are significantly reduced to prevent eyestrain and fatigue after prolonged use. Due to its 96kHz horizontal frequency, the AGF900 displays a flicker-free 1600 x 1200 maximum resolution. And, with its 200MHz fast video dot clock, the image remains incredibly bright and clear, even at its maximum resolution. With such incredible performance, the AGF900 is recommended for corporate users of CAD/CAM/CAE applications, high-end graphics, desktop publishing pre-press and text applications. For users' peace-of-mind, the AGF900 is TCO'99 compliant to meet the strictest European standards for low emissions, safety, ergonomics, and environmental protection. Princeton backs the AGF900 with a full three-year warranty on parts, CRT and labor, in addition to 48-hour advance replacement during the first year of ownership.

FEATURES:

- 19" (18.0" VIS) Diamondtron™ NF Aperture Grille CRT
- 0.26mm (averaged) Fine Pitch
- 1600 x 1200 Maximum Resolution
- PreVu™ OSD with Coloright™
- Full Three-Year Limited Warranty
- Standard First-Year 48-Hour Advance Replacement Warranty*
- TCO '99 Compliant

PRINCETON®

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FEATURES AND BENEFITS

Large 19" (18.0" viewable) screen size

A large viewing area means more workspace and less scrolling with the mouse or scroll keys.

Diamondtron® NF (Natural Flat) aperture grille CRT

With the Natural Flat CRT, geometric distortion is virtually eliminated. External reflections and glare are also significantly reduced to prevent eyestrain and fatigue after prolonged use. Aperture grille technology CRT's display the brightest, most brilliantly colored images available on the market today.

0.25mm center, 0.27mm corner fine aperture grille pitch

A fine pitch means that like-colored (red, green or blue) phosphors/strips that compose the image are closer together. The result is phenomenal sharpness and clarity right down to the pixel.

1600 x 1200 maximum resolution

The AGF900 actually allows users to comfortably take advantage of its 1600 x 1200 maximum resolution and 1280 x 1024 @ 85Hz recommended resolution for a flicker-free viewing experience.

200MHz video dot clock

A fast video dot clock aids to maintain image sharpness and clarity at higher resolutions.

TCO '99 compliant

The AGF900 complies with strictest European standards for low emissions, safety, ergonomics, recycling and power management.

Plug and Play, VESA® DDC2B/DDC2AB

Trouble-free installation of the monitor to Windows® and MAC*** platforms, in addition to ease of asset database management.

Multi-language OSD

Flexible for use in various user languages.

PreVu™ OSD with Coloright™ controls

Advanced OSD features provide optimum flexibility to suit individual user preferences. The Coloright™ hardware feature provides color balance control to exactly match the on-screen color to the printed output color.

Standard 48-hour advance replacement program for first year*

Hassle-free warranty significantly reduces downtime in case of equipment malfunction.

Compatibility

PC and MAC***.

AGF900 SPECIFICATIONS

CRT Size/Type	19" (18" VIS) tinted, anti-glare, anti-static coated Diamondtron™ NF (Natural Flat) CRT with dynamic focus
Aperture Grille Pitch	0.26mm AG
Maximum Resolution	1600 x 1200 @ 76Hz
Recommended Resolution	1280 x 1024 @ 85Hz
Active Display Area	Default: 13.4" x 10.0" (340mm x 255mm) Overscan: 14.4" x 10.9" (366mm x 276mm)
Compatibility	VESA® 1600 x 1200 @ 75Hz, VESA® 1280 x 1024 @ 85, VESA® 1152 x 864 @ 85Hz, VESA® 1024 x 768 @ 85, VESA® 800 x 600 @ 85, VESA® 640 x 480 @ 85, XGA/2, IBM XGA 8514/A, VGA, SVGA, MAC*** and more
Plug & Play	DDC2B/DDC2AB
Horizontal Scan Range	30-96kHz
Vertical Scan Range	50-160Hz
Input Signal	Video: Analog 0.7 V _{pp} /75Ohm Sync.: Separate and composite TTL level
Input Connector/Cable	15-pin mini D-sub, 1.8m(6 ft.) detachable cable
User Controls	Front: Power on/off, OSD button, OSD dial PreVu™ OSD: Contrast, brightness, H-position, H-size, V-position, V-size, pincushion, pin balance, parallelogram, trapezoid, rotation, purity, zoom, color (5500K, 6500K, 9300K, user), de-gauss, power save on/off, language (English, German, French, Italian, Spanish), user mode save/delete, OSD position, V-linearity, S-curve, H-convergence, V-convergence, moiré, recall
Power Supply	90-264V _{AC} , 60/50Hz universal (auto switching)
Power Consumption	On: <150W; Standby: <15W; Suspend: <15W; Active Off: <5W
Video Dot Clock	200MHz (-3db) nominal
Dimensions (W x H x D)	18.3" x 18.1" x 18.7" (465mm x 460mm x 476mm)
Weight	Net: 57.2 lbs. (26.0 kg.) Gross: 69.5 lbs. (31.0 kg.)
Power Management	VESA®, DPMS™ and EPA® Energy Star SM compliant
Agency Approvals	UL 1950, CSA, DHHS, FCC-B, ISO-9241, CE, MPRII, TCO'99
Warranty	3 years on parts, 3 years on CRT, 3 years on labor, 1st year 48-hour advanced replacement*

COMPARE AGF900 TO THE COMPETITION

	Princeton AGF900	Viewsonic PT795	MITSUBISHI Diamond Pro 900u	Sony GDM-F400
Viewable Image Size (inches)	18.0	18.0	18.0	18.0
CRT Type	Diamondtron™ NF	PerfectFlat™	Diamondtron™ NF	FD Trinitron®
AG Pitch (mm)	0.26 (averaged)	0.25	0.25	0.22
Horizontal Freq. (kHz)	29-96	30-110	30-95	30-107
Bandwidth/Dot clock (MHz)	200	200	Not Available	Not Available
Maximum Resolution	1600 x 1200	1920 x 1440	1600 x 1200	1600 x 1200
OSD	Yes	Yes	Yes	Yes
MPR-II Low Emissions/ TCO Compliance	Yes/ TCO '99	Yes/ TCO '99	Yes/ TCO '95	Yes/ TCO '95
VESA® DPMS Power Saving	Yes	Yes	Yes	Yes
VESA® DDC Plug and Play	Yes	Yes	Yes	Yes
Warranty (parts, CRT, labor-yrs)	3,3,3	3,3,3	3,3,3	3,3,3
Standard 1st Year 48-hour Replacement	Yes	No	No	No

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