

Equipment Description

The Equipment Under Test (EUT) is the LG Electronics U.S.A., Inc. LCD Monitor.

General Specification

L1942PEU

Display	19 inches (48.2 cm) Flat Panel Active matrix-TFT LCD Anti-Glare coating Visible diagonal size: 48.2 cm 0.294 mm pixel pitch	
Sync Input	Horizontal Freq.	Analog : 30 - 83 kHz (Automatic) Digital : 30 - 71 kHz (Automatic)
	Vertical Freq.	56 - 75 Hz (Automatic)
	Input Form	Separate TTL, Positive/Negative SOG (Sync On Green) Digital
Video Input	Signal Input	15 pin D-Sub Connector DVI - D connector (Digital)
	Input Form	RGB Analog (0.7 Vp-p/ 75 ohm), Digital
Resolution	Max	Analog : VESA 1280 x 1024 @75 Hz Digital : VESA 1280 x 1024 @60 Hz
	Recommend	VESA 1280 x 1024 @60 Hz
Plug&Play	DDC 2B (Digital), DDC 2AB (Analog)	
Power Consumption	On Mode	: 22 W(Typ.)
	Sleep Mode	≤ 0.3 W
	Off Mode	≤ 0.3 W
Dimensions & Weight	With Stand	
	Width	40.63 cm / 16.00 inches
	Height	42.27 cm / 16.64 inches 53.27 cm / 20.97 inches
	Depth	24.16 cm / 9.51 inches
	Net	4.47 kg (9.93 lbs)
Without Stand	Width	40.63 cm / 16.00 inches
	Height	34.45 cm / 13.56 inches
Tilt Range	Tilt	-6° ~17°
Power Input	AC 100-240V~ 50/60Hz 0.8A	
Environmental Conditions	Operating Conditions	
	Temperature	10°C to 35 °C
	Humidity	10 % to 80 % non-Condensing
	Storage Conditions	
	Temperature	-20°C to 60 °C
	Humidity	5 % to 90 % non-Condensing
Stand Base	Attached(), Detached (O)	
Signal cable	Attached(), Detached (O)	
Power cord	Wall-outlet type or PC-outlet type	

NOTE

- Information in this document is subject to change without notice.

L1942TEU

Display	19 inches (48.2 cm) Flat Panel Active matrix-TFT LCD Anti-Glare coating Visible diagonal size: 48.2 cm 0.294 mm pixel pitch	
Sync Input	Horizontal Freq.	Analog : 30 - 83 kHz (Automatic) Digital : 30 - 71 kHz (Automatic)
	Vertical Freq.	56 - 75 Hz (Automatic)
	Input Form	Separate TTL, Positive/Negative SOG (Sync On Green) Digital
Video Input	Signal Input	15 pin D-Sub Connector DVI - D connector (Digital)
	Input Form	RGB Analog (0.7 Vp-p/ 75 ohm), Digital
Resolution	Max	Analog : VESA 1280 x 1024 @75 Hz Digital : VESA 1280 x 1024 @60 Hz
	Recommend	VESA 1280 x 1024 @60 Hz
Plug&Play	DDC 2B (Digital), DDC 2AB (Analog)	
Power Consumption	On Mode	: 22 W(Typ.)
	Sleep Mode	≤ 0.3 W
	Off Mode	≤ 0.3 W
Dimensions & Weight	With Stand	
	Without Stand	
	Width	40.63 cm / 16.00 inches
	Height	41.97 cm / 16.52 inches
	Depth	18.48 cm / 7.28 inches
Net	3.45 kg (7.61 lbs)	
Tilt Range	Tilt	-5°~20°
Power Input	AC 100-240V~ 50/60Hz 0.8A	
Environmental Conditions	Operating Conditions	
	Temperature	10°C to 35 °C
	Humidity	10 % to 80 % non-Condensing
	Storage Conditions	
	Temperature	-20°C to 60 °C
	Humidity	5 % to 90 % non-Condensing
Stand Base	Attached(), Detached (O)	
Signal cable	Attached(), Detached (O)	
Power cord	Wall-outlet type or PC-outlet type	

NOTE

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L1942HEU

Display	19 inches (48.2 cm) Flat Panel Active matrix-TFT LCD Anti-Glare coating Visible diagonal size: 48.2 cm 0.294 mm pixel pitch	
Sync Input	Horizontal Freq.	Analog : 30 - 83 kHz (Automatic) Digital : 30 - 71 kHz (Automatic)
	Vertical Freq.	56 - 75 Hz (Automatic)
	Input Form	Separate TTL, Positive/Negative SOG (Sync On Green), Digital(HDCP)
Video Input	Signal Input	15 pin D-Sub Connector DVI - D connector (Digital)
	Input Form	RGB Analog (0.7 Vp-p/ 75 ohm), Digital
Resolution	Max	Analog : VESA 1280 x 1024 @75 Hz Digital : VESA 1280 x 1024 @60 Hz
	Recommend	VESA 1280 x 1024 @60 Hz
Plug&Play	DDC 2B (Digital), DDC 2AB (Analog)	
Power Consumption	On Mode	: 22 W(Typ.)
	Sleep Mode	≤ 0.5 W
	Off Mode	≤ 0.5 W
Dimensions & Weight	 (1) (Width) (Height) (Depth) (2) (Width) (Depth) (Height) Width x Height x Depth [1] 40.63 cm (16.00 inches) x 46.37 cm (18.26 inches) x 23.75 cm (9.35 inches) [2] 40.63 cm (16.00 inches) x 35.80 cm (14.09 inches) x 10.98 cm (4.32 inches)	
	Net	4.9 kg (10.89 lbs)
	Tilt/Height Range	Tilt range 0°~30° Height range 105.7 mm / 4.16 inches
	Power Input	AC 100-240V~ 50/60Hz 0.8A
Environmental Conditions	Operating Conditions	
	Temperature	10°C to 35 °C
	Humidity	10 % to 80 % non-Condensing
	Storage Conditions	
	Temperature	-20°C to 60 °C
	Humidity	5 % to 90 % non-Condensing
Stand Base	Attached (O), Detached ()	
Signal cable	Attached (), Detached (O)	
Power cord	Wall-outlet type or PC-outlet type	

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EUT Operating Conditions

- a. Setup the EUT and Peripherals as shown in Sec. 3.2 of the test report.
- b. Turn on the power of all equipment and the EUT.
- c. Set the contrast & brightness of EUT to maximum.
- d. PC system ran the self-test program “EMC Test” by windows XP and sent “H” characters to EUT through graphic card, the EUT’s screen displayed and filled with “H” pattern by its resolution (Via D-Sub or DVI Input).
- e. Repeat above procedure from c to d for difference test mode.
- f. The other peripherals devices were driven and operated during the test.
- g. The test modes are as follows:

M/N	Test Mode
L1942PEU	D-Sub 640*480@60Hz
	D-Sub 1024*768@60Hz
	D-Sub 1280*1024@75Hz
	DVI 640*480@60Hz
	DVI 1024*768@60Hz
	DVI 1280*1024@75Hz