AcerView 57c

Color Monitor

15" (38cm) CRT Size,
13.7" (34.8cm) Max. Viewable Area

User's Manual

Acer

FCC ID : JVP7257C

Copyright

Disclaimer

Acer Peripherals, Incorporated makes no representations or warranties, either expressed or implied, with respect to the contents hereof and specifically disclaims any warranties, merchantability or fitness for any particular purpose. Further, Acer Peripherals, Incorporated reserves the right to revise this publication and to make changes from time to time in the contents hereof without obligation of Acer Peripherals, Incorporated to notify any person of such revision or changes.

Fill in here!!

For the convenience of service, write following related information of your monitor in the space below. The serial number is on the back of the product.

Monitor Information

Product Name:	AcerView 57c
Serial Number:	
Date of Purchase:	

Dealer Information

Dealer:	
Telephone Number:	
Address:	

Safety Instructions

1. [illegible]

2. Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

3. Slots and openings in the cabinet and the back or bottom are provided for ventilation. They must not be blocked or covered. This product should never be placed near or over a radiator or heat register, or in a built-in installation unless proper ventilation is provided.

4. This product should be operated from the type of power indicated on the marking label. If you are not sure of the type of power available, consult your dealer or local power company.

5. This product should be operated with a 3-wire grounding-type plug, a plug having a third (grounding) pin. This plug will only fit into a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to make the necessary outlet changes.

6. Never push objects of any kind, or spill liquid of any kind into this product.

7. Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltages or other risks. If any above mentioned misuse or other accident (dropping, mis-operations) occurs, contact qualified service personnel for servicing.

8. Use only the proper type of power supply cord set (provided in your PC box) for this unit. It should be a detachable type: UL listed/CSA certified, type SVT/SJT, VDE approved or its equivalent.

9. The power supply cord serves as a power disconnect device for pluggable equipment. The socket outlet shall be installed near the equipment and shall be easily accessible.

[illegible]E De[illegible]atio[illegible]

[illegible] is mon[illegible] Vi[illegible] [illegible] 336[illegible] [illegible]/31/EC[illegible] dir[illegible]

Canadian Department of Communications Regulatory Statement

This digital apparatus does not exceed Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

Note:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/television technician for help.

Notice:

The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Caution:

1. If you find some parts of the monitor display discolored due to magnetic fields generated by electrical facilities or appliances, turn off the monitor for at least 15 minutes. The degaussing circuit of the monitor will eliminate the discoloration.
2. Do not remove the monitor from its swivel base while the power is on to prevent discoloration. If discoloration occurs, follow the above-mentioned procedure for adjustment.
3. Shielded power cord and interface cable, if any, must be used in order to comply with the emission limits of FCC Class B digital device.

Table of Contents

Unpacking the Package

Check following items. If they are missing or damaged, consult your place of purchase immediately.

- ✓ Color monitor
- ✓ User's manual
- ✓ 15-pin D-type signal cable
- ✓ Swivel base
- ✓ Power cord
- ✓ BNC signal cable (optional)

Features

Your AcerView 57c has the following features:

✓ **Plug'n Play Compatibility**

With its DDC1™ and DDC2B™, it is compatible with Plug'n Play feature of Windows 95®.

✓ **Flicker-free Image**

The monitor supports high refresh rates up to 85Hz at 1024x768 resolution with VESA's best recommendation.

✓ **Larger Viewable Size**

With its 13.7" viewable size, it offers a larger screen than other 15" monitors.

✓ **iScreen® (Intelligent Screen) Technology**

The On-Screen Display (OSD) allows you to adjust all settings simply with on screen menus.

✓ **Power Saving Function**

The power management complies with VESA DPMS standard. When the system is idle (off mode), the monitor automatically cuts its power consumption up to 95%.

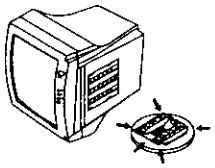
✓ **Green Commitment**

Your monitor is packaged in recycled packing materials and no CFCs are used in the manufacturing process. It is in compliance with the US government's Energy Star standards and the rigorous standards of the Scandinavian countries.

Getting Started 2

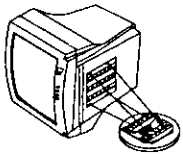
Installing the Swivel Base

1. Place the monitor on its side.

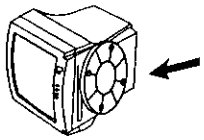


2. Locate the arrow and the four slots at the bottom of the monitor.

3. As directed by the arrow inscribed on the swivel base, insert the four pegs on the base into the slots at the bottom of the monitor.



4. Push the swivel base gently toward the front of the monitor until it is locked.

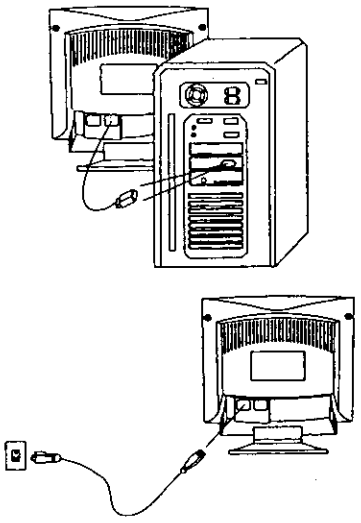


5. Place the monitor back to its normal position.

Installing the Monitor

This monitor is equipped with an autosensing power supply for voltage ranges 90~264V, AC 47~63Hz..

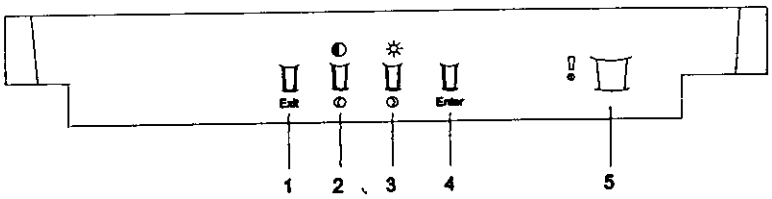
1. Make sure that the system power is turned off.
2. Plug the signal cable into the video signal port of your computer and fix it with the two screws.
3. Connect the power cord to the monitor and attach it to power source.
4. Turn on the computer and the monitor.



If you connect the monitor to an Apple Macintosh through a D-Sub cable, you need to buy a Macintosh adapter to connect the video signal port of your computer and the monitor signal cable.

Adjusting the Monitor 3

A Look at the Control Panel



Adjusting the Monitor

You can adjust the monitor with the On-Screen Display (OSD) menus. There are four keys for user's control. They include **Exit**, ⊖ , ⊕ and **Enter.** The following is the introduction:

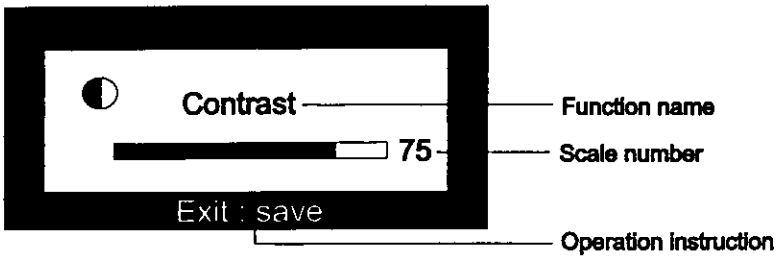
Panel key introduction

1. **Exit** key : returns to last page, saves or quits the menu system.
2. ⊖ / ◐ key : adjusts the parameter setting to a lower value and adjusts contrast setting.
3. ⊕ / ☼ key : adjusts the parameter setting to a higher value and adjusts brightness setting.
4. **Enter** key : goes into submenus or selects items.

Selecting function and making adjustments

1) Contrast hot-key mode

1. Press ◐ / ⊖ to enter contrast hot-key mode
2. Press ⊖ or ⊕ to adjust the setting.



2) Brightness hot-key mode

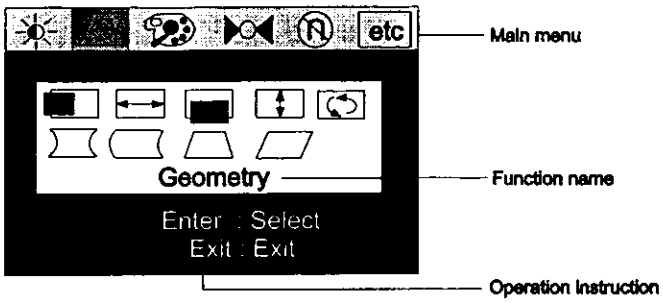
1. Press ☼ / ⊖ to enter brightness hot-key mode.
2. Press ⊖ or ⊕ to adjust the setting.

3) Main menu mode

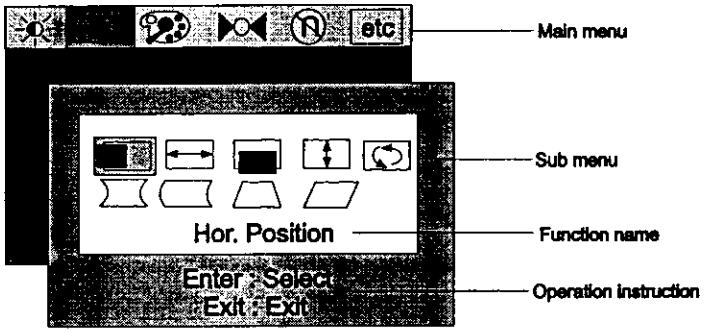
Grouped by functions, the OSD offers 6 major functions in Main Menu for making adjustments: Contrast, Geometry, Color adjustment, Recall, Degaussing and Miscellaneous. The following describes the contents of each function and how you can make adjustments.

Make adjustments:

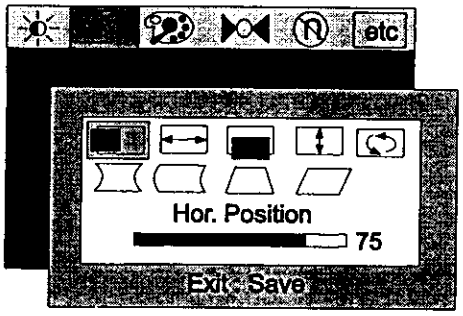
1. In Main Menu: Press ⊖ or ⊕ to locate the item you desire to change.



2. Press **Enter** to go into the Sub Menu.



3. Press ⊖ or ⊕ to locate the function item. Then press **Enter** and ⊖ or ⊕ to make the adjustment.



4. Press **Exit** to save the setting.
5. Press **Exit** to return to main menu.

Control functions available in main menu:

1. ☀ Luminance

◐ **Contrast**: adjusts the difference between the light and dark areas.

☀ **Brightness**: adjusts the brightness of the display.

2. Geometry

Hor. Position: adjusts the horizontal position of the display.

Hor. Size: adjusts the display width.

Ver. Position: adjusts the vertical position of the display.

Ver. Size: adjusts the vertical display height.

Pincushion: corrects curve at the vertical edges of the display.

Unbalance: adjusts balance when the sides of display are bowed towards left or right.

Trapezoid: makes the vertical edge of the display parallel.

Parallelogram: corrects image distortions.

Rotation: corrects the slanted screen.

3. Color Adjustment

Color mode	Color Temperature (Preset Mode)	Color Temperature (User Mode)
C1 (9300K)	9300K	User Mode 1
C2 (6500K)	6500K	User Mode 2
C3 (5500K)	5500K	User Mode 3
C4 (7100K)	7100K	User Mode 4
C5 (11500K)	11500K	User Mode 5

Color Preset Mode: In this mode shows present color temperature. C1 to C5 are five memory areas where the factory-preset color settings are stored. These settings are fixed and can not be modified.

Color User Mode: Press ⊖ or ⊕ to locate the color mode and **Enter** to choose a color. Press ⊖ or ⊕ again to make the adjustment. If you want to reset to preset modes, please locate ⋈ to recall the preset color settings.

4. ⋈ Recall geometry preset setting

Locate ⋈ and press **Enter**, you can recall the preset settings. The word "Recall" will keep blinking on the screen in the process of recall. This page is also a "status display" field which shows current horizontal and vertical frequency status. Please note that only choosing a preset geometry setting can the display show the resolution data.

5. ⊘ Manual degaussing function

To eliminate color shading or impurity induced by magnetism, press **Enter** to do the manual degaussing.

6. etc Miscellaneous

▬ **OSD position adjustment**: adjusts OSD horizontal and vertical position.

ABC **Language select**:

De : Deutsch	**En** : English	**Es** : Español
Fr : Français	**It** : Italiano	**Jp** : Japanese (Optional)

Note: a. The degree of each parameter is present by numeric statement and corresponding scale.

b. The on-screen menu will automatically disappear after 20-second's inactivity. If changes have been made, the monitor will automatically save them.

Timing Setting

By making adjustments of your video card settings, you can set the timing and the refresh rate to your preferences. The monitor will automatically save the settings. Your monitor can accept horizontal frequency ranging from 30 KHz to 72 KHz and vertical frequency from 50 Hz to 120 Hz. However, due to different resolution settings, do not exceed the following maximum vertical refresh rate to avoid possible damages to your monitor.

Resolution	Maximum Vertical Refresh Rate (Hz)
800 x 600	110
1024 x 768	85
1280 x 1024	65

☞ *To set the timing and the refresh rate, see the user's guide of your video card.*

Factory Preset Timings

Mode	Resolution	Vertical Frequency (Hz)	Horizontal Frequency (KHz)
VGA	640 x 400	70	31.47
VGA	640 x 480	60	31.47
VGA	640 x 480	75	37.50
VGA	640 x 480	85	43.27
VESA	800 x 600	75	46.88
SVGA	800 x 600	72	48.09
SVGA	800 x 600	85	53.67
UVGA	1024 x 768	75	60.02
UVGA	1024 x 768	70	56.48
UVGA	1024 x 768	85	68.68
WS2	1280 x 1024	60	64.32
MAC	832 x 624	74.5	49.71

Troubleshooting and Useful Hints 4

Troubleshooting

Make sure that your monitor is properly installed. If you have encountered any trouble in using this product, for hardware installation problems, see **Chapter 2, Getting Started.** If the problems persist, check this chapter for possible solutions. If you cannot find AcerView 57c on the Windows 95 monitor list, you would have to update the Windows 95 setup information for AcerView 57c. You can download the update file from the API web site (http://www.api.com.tw)

✓ If there is no picture on the screen, check:

- ❑ Power outlet type.
- ❑ Video sync signal. The video sync signal must be specified for the monitor.
- ❑ Power saving mode. Press any key & use the mouse to deactivate the mode.
- ❑ Signal cable connector pins. If pins are bent or missing, consult your dealer.

✓ If the picture is scrolling or unstable, check:

- ❑ Signal connector pin assignments. Replace with a functional one if inoperative.
- ❑ Signal cable connector pins. If pins are bent or missing, consult your dealer.
- ❑ Graphics card. See if the settings are made properly.
- ❑ Scanning frequency. Change the settings of your graphics card to acceptable options.
- ❑ Remove magnetic objects near the monitor.

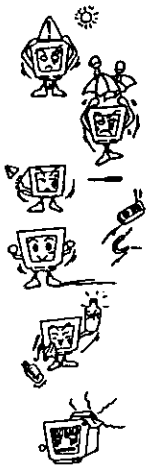
✓ If the characters look dark, the picture is too small, too large, not centered & etc.

- ❑ Adjust related settings. See **Chapter 3, Adjusting the Monitor.**

✓ If colors are impure:

- ❑ Check signal cable connector pins. If pins are bent or missing, consult your dealer

Maintenance



- ✘ Do not expose the monitor to direct sunlight or heat.
- ✘ Do not spill liquid on the monitor.
- ✘ Do not attempt to open the monitor. You may be hurt by electric shock. For service, call your dealer.
- ✘ Do not use your monitor when magnets or electronic products are operating nearby.
- ✘ Do not use harsh chemicals or strong cleaning solvents to clean the monitor screen. Wipe it with mild solution applied on clean & soft cloth.
- ✘ Do not place anything on your monitor. Bad ventilation may elevate temperature within the monitor.

Need More Help?

If your problems remain after checking this manual, please contact your place of purchase or e-mail us at: stevenleung@api.com.tw

Specifications 5

Picture Tube	
Size	15" (38cm) diagonal
Type	Mini-neck
Dot pitch	0.28mm dot pitch
Surface coating	AG, AS coating
Maximum Viewable Size	13.7" (34.8cm) diagonal
Power Supply (Universal)	
Input voltage	90~264 VAC, 47~63 Hz
Power consumption	75 Watts (max.)
Max. Resolution	1280 x 1024
Horizontal Frequency	30-70 KHz
Vertical Frequency	50-120 Hz
Video Bandwidth	80MHz
Adjustable Timing	12 factory preset, 10 user mode
User's Control	Intelligent On-Screen Display (OSD), 4 buttons
X-Radiation	DHHS, PTB
Regulatory Compliance	UL, CSA, FCC-B, TÜV/Ergonomics, MPRII, VCCI-II, CE, ISO-9241-3, D.N.S.F., TCO95(for TCO95 version)
Plug & Play	DDCI/2B+

Power savings LED modes	
On	Green
Standby	Amber
Suspend	Amber
Off	Flashing Amber
Ambient Temperature	
Operating	+5°C ~ +40°C /+41°F ~ +104°F
Storage	0°C ~ +60°C /-4°F ~ +140°F
Humidity	
Operating	20% ~ 90%
Storage	10% ~ 90%
Dimensions (with stand)	376mm(W)x373mm(H)x385mm(D)
Weight	12.5Kg

SUBCLAUSE	TESTS	DOCUMENT NO.
6.4.3.1	Acoustic Pressure - On Hook (Proprietary Headset, with Handset)	640.Eng
6.4.3.1	Acoustic Pressure - Off Hook (Nonproprietary Headset, with Handset)	650.Eng
6.4.3.1	Acoustic Pressure - Off Hook (Nonproprietary Headset, with Noninsert-Type)	660.Eng
6.4.3.1	Acoustic Pressure - Off Hook (Proprietary Set, with Handset)	670.Eng
6.4.3.2	Peak Acoustic Pressure Test	680.Eng
6.4.4.1	Leakage Current Due to Ringing Voltage	690.Eng
6.5	Telecommunication Wiring System Protection From Overheating	700.Eng
6.6, Annex NAC	Overvoltage Test (Third Edition)	710.Eng
Annex A.1, A.2	130 mm Flame Test/20 mm Flame Test	720.Eng
Annex A.2.7	Needle Flame Test	730.Eng
Annex A.3, 4.4.4	High Current Arcing Ignition Test	740.Eng
Annex A.4, 4.4.5	Enclosure Hot Wire Ignition Test	750.Eng
Annex A.5, 4.4.6	Hot Flaming Oil Test	760.Eng
Annex A.6, 1.5.4, 4.4	V-0, V-1, or V2 Flame Test	770.Eng
Annex A.7, 1.5.4, 4.4.1, 4.4.3	-HBF, HF-1, HF-2, Flammability Test	780.Eng

Document: IDX.Eng

SUBCLAUSE	TESTS	DOCUMENT NO.
Annex A.8, 4.4.3, 4.4.4	HB Flammability Classification Test	790.Eng
Annex A.9, 4.4.1	5V Flammability Classification Test	800.Eng
Annex B	General Guidelines for Motor Testing	810.Eng
Annex B	Input Test (Single Phase)	820.Eng
Annex B	Input Test (Three Phase)	830.Eng
Annex B.4	Running Overload Test	840.Eng
Annex B.5	Locked-Rotor Overload Test/ Endurance Test	850.Eng
Annex B.6	Secondary Motor Running Overload Running Overload Test for DC Motors	860.Eng
Annex B.7	Locked-Rotor Overload Test for DC Motors in Secondary Circuits	870.Eng
Annex B.9	Phase Disconnect Test	880.Eng
Annex B.10	Test for Series Motors	890.Eng
Annex C.3, 2.9.4	Transformer/Insulation Electric Strength Test	900.Eng
Annex H, 4.3.12	Ionizing Radiation Measurement Test	910.Eng
Annex M.3.2	Ringing Signal Output	920.Eng
Annex M.3.3	Telephone Ringing Signal Single Fault Test	930.Eng

Document: IDX.Eng

File Date: __/__/9
Pages to File: _____

UNDERWRITERS LABORATORIES INC.
DATA PACKAGE INFORMATION SHEET

Dept: _____
Applicant: _____ File No.: _____
Proj. Handler/Ext.: _____ Proj. No.: _____
Resp. Engr./Ext.: _____ Product: _____
Test Technician/Ext.: _____ Model(s): _____

Standard(s) No.: _____

Data Sheets Reviewed by:

_____ on __/__/__
Prior to Lab Submittal

Task Allocation _____
Due Date: ___/___/___

SAMPLES

Description	Date Rec'd	Sample Tag #	Location

Completed Test Results Reviewed by: _____ on __/__/__

Test	Pg #	Test	Pg #

Pages to Lab: _____ Pages from Lab: _____ Page 1

Document: 001.Eng

ULI _____(Dept/Sec)

Page No. _____

Project No._____ File No._____

Sample No. _____

Tested by_____ /_____ Test Completion Date_____
(Printed Name / Signature)

File E_____

Page T___-___ of ___

Issued: _____
New: _____

SAMPLES - continued

Description	Date Rec'd	Sample Tag #	Location

Test	Pg #	Test	Pg #

Document: 002.Eng

ULI _____(Dept/Sec) Page No. _____

Project No._____ File No._____ Sample No. _____

Tested by_____ /_____ Test Completion Date_____
(Printed Name / Signature)

File E_____ Page T___-___ of ___ Issued: _____
New: _____

TEST INSTRUMENTS REFERENCE LIST

Instr Code	Instr I.D.	Range Used or #	Instr Type	*Make and Model	Calibration Date Last	Calibration Date Due
1						

* Information to be recorded when tests are conducted at other than a UL facility.

See specific datasheet for individual scale used.

ULI _____(Dept/Sec) Page No. _____

Project No._____ File No._____ Sample No. _____

Tested by_____ /_____ Test Completion Date_____
(Printed Name / Signature)

File E_____ Page T___-___ of ___ Issued: _____
New: _____

T E S T R E C O R D N O. __

SAMPLES:

The manufacturer submitted
( ) a sample representing production of _____
( ) representative production samples of _____
Model(s) _____
( ) employing the alternate _____
_____.

( ) The following tests were conducted in accordance with
( ) the Standard for Information Technology Equipment/
Information Technology and Telecommunication Equipment,
( ) UL 1950, _____ Edition
( ) CSA-C22.2 No. 950-M93
( ) CSA-C22.2 No. 234-M90
( ) IEC 950, _____ Edition ( ) Including Amendments _____.
( ) EN 60 950 : 1988 ( ) Including National Deviations from _____
_____.
( ) VDE 0805/05.90
( ) AS 3260
( ) EN 41 003
( ) TS 001-1990
( ) _____

( ) Only the following tests were deemed necessary.

( ) Tests were conducted by (co. name & location) _____
_____.
( ) and witnessed by a member of the UL staff.

( ) Tests were conducted under the CTDP/COMPASS/TCP/CAP Program.
( ) Tests noted by the initials "UL" were conducted at UL/witnessed by UL staff member.

( ) The following tests were conducted by _____
under the Memorandum of Understanding (MOU)/CB Scheme:

_____ _____

_____ _____

_____ _____

ULI _____(Dept/Sec) Page No. _____

Project No._____ File No._____ Sample No. _____

Tested by_____ /_____ Test Completion Date_____
(Printed Name / Signature)

File E_____ Page T___-___ of ___ Issued: _____
New: _____

The test methods and results of the above tests have been reviewed and found to be in accordance with the requirements in the Standards noted above.

( ) The following D3 Deviations from UL 1950, Second Edition, were used for testing: _____, _____, _____, _____, _____, _____, _____, _____.

( ) The card cage contained _____ boards and had _____ empty slots.

( ) The unit was configured as follows: _____

_____

_____

"Maximum normal load" was defined as follows: _____

_____

_____

( ) Horizontal scanning frequency: _____ KHz
Vertical scanning frequency: _____ KHz

The unit weighs approximately _____ kg and was considered handheld/portable/fixed/stationary with exposed/unexposed SELV/secondary low voltage circuits.

( ) The unit was considered rack-mountable.

( ) Maximum operating ambient _____°C.

( ) Unless otherwise indicated, all tests were conducted on Model _____.

( ) Tests performed on Model _____ were considered to be representative of Model(s) _____.

( ) Only limited tests/No tests were performed on Model _____ because of similarity in construction to ( ) Model _____, see Report dated _____; ( ) previously evaluated unit.

( ) Only limited tests/No tests were performed on Model _____ employing _____ due to testing previously performed on the subject unit.

ULI _____(Dept/Sec) Page No. _____

Project No._____ File No._____ Sample No. _____

Tested by_____ /_____ Test Completion Date_____
(Printed Name / Signature)

File E_____ Page T___-___ of ___ Issued: _____
New: _____

G E N E R A L G U I D E L I N E S

ULI _____(Dept/Sec) Page No. _____

Project No._____ File No._____ Sample No. _____

Tested by_____ /_____ Test Completion Date_____
(Printed Name / Signature)

File E_____ Page T___-___ of ___ Issued: _____
New: _____

P O W E R S U P P L Y R E F E R E N C E P A G E

MODEL: _____

Rated Input:

V	A	W	Hz	phase

Rated Output:

V1	A1	V2	A2	V3	A3	V4	A4	V5	A5	V6	A6

( ) Output Test Load:

Condition A

Condition B

( ) Maximum output power: _____ W

Maximum operating ambient: _____°C

( ) Sample operation position: _____

( ) External Forced Air Cooling:

1. Fan CFM:
2. Fan Distance from Unit: _____ cm
3. Fan Location: _____
4. Airflow Direction: _____

( ) The following output terminals were connected to earth: _____

Document: 006.Eng

ULI _____(Dept/Sec) Page No. _____

Project No._____ File No._____ Sample No. _____

Tested by_____ /_____ Test Completion Date_____
(Printed Name / Signature)

File E_____ Page T___-___ of ___ Issued: _____
New: _____

1.5.4 - HIGH VOLTAGE (OVER 4 kV) PARTS FLAME TEST:
(For Transformer/Multiplier)

METHOD

( ) For each of the three samples of the transformer Part No. _____, the high voltage winding was connected to a variable ac/dc voltage source. With the voltage initially at zero, a power of 10 W was dissipated in the high voltage winding and sustained for 2 minutes. The wattage was monitored with a wattmeter, and the voltage adjusted, if necessary, to maintain the specified wattage. The power was then increased in steps of 10 W at 2 minute intervals to a maximum of 40 W. The treatment lasted 8 minutes unless terminated by opening of the winding or appreciable splitting of the protective coating.

( ) For each of the three samples of a high voltage multiplier Part No. _____, the output was shorted and a voltage, equivalent to that which the multiplier is powered from in normal use, was applied to the input. The input was adjusted to cause a shorted output current of 25 ± 5 mA, dc, and this current was maintained for 30 minutes unless terminated by opening of the multiplier circuit or splitting of a protective coating.

After treatment, each sample was allowed to cool to room temperature and was then placed in an air circulating oven maintained at 100 ± 2°C for a period of 2 hours. When removed from the oven, each sample was immediately placed in a draft-free location 20 cm (25/32 in.) above a white pine board which was covered with one layer of tissue paper. Using a butane gas flame 12 ± 2 mm (1/2 in.) long from a burner consisting of a tube having a bore of 0.5 ± 0.1 mm (0.021 in.), attempts were made to ignite the high voltage winding/multiplier as follows. The gas flame was applied for 10 seconds. If the self-sustaining flame did not last for more than 30 seconds, the gas flame was applied again for 1 minute at the same area or at any other point. If again a self-sustaining flame did not last for more than 30 seconds, the gas flame was applied again for 2 minutes at the same point or at any other point.

ULI _____(Dept/Sec) Page No. _____

Project No._____ File No._____ Sample No. _____

Tested by_____ /_____ Test Completion Date_____
(Printed Name / Signature)

File E_____ Page T___-___ of ___ Issued: _____
New: _____

RESULTS

The test flame was applied to _____.

Application	Self-Sustaining Flame Time		
	Sample 1	Sample 2	Sample 3
10 seconds:	_____	_____	_____
1 minute:	_____	_____	_____
2 minutes:	_____	_____	_____

A self-sustaining flame did/did not extinguish within 30 seconds. The wrapping tissue paper did/did not burn. The board was/was not scorched.

Comments: _____

_____

_____

* *

NOTES TO LAB:

1. Certain transformers are designed so that this pre-conditioning cannot be carried out. In such cases, only the "after treatment" portion of the test is to be performed.

2. Where the design of a high-voltage multiplier is such that a short-circuit current of 25 mA cannot be obtained, a pre-conditioning current is used, which represents the maximum attainable current, determined either by the design of the multiplier or by its conditions of use in a particular apparatus.

NOTES TO ENGINEER:

1. Reference IEC 65, Safety Requirements for Mains Operated Electronic and Related Apparatus for Household and Similar General Use.

ULI _____(Dept/Sec) Page No. _____

Project No._____ File No._____ Sample No. _____

Tested by_____ /_____ Test Completion Date_____
(Printed Name / Signature)

File E_____ Page T___-___ of ___ Issued: _____
New: _____

1.5.4 - HIGH VOLTAGE (OVER 4 kV) CABLE FLAME TEST:
(For Cable Type)

METHOD

Three samples of each _____ type of cable, as used in the unit, were each placed in a draft-free location of 20 cm (25/32 in.) above a white pine board covered with one layer of tissue paper and inclined at an angle of 45°. Using a butane gas flame 12 ± 2 mm (1/2 in.) long from a burner consisting of a tube having a bore of 0.5 ± 0.1 mm (0.021 in.) inclined at an angle of 45°, attempts were made to ignite the sample as follows.

The gas flame was applied for 10 seconds. If a self-sustaining flame did not last for more than 30 seconds, the gas flame was reapplied for 1 minute at the same area or at any other point. If again a self-sustaining flame did not last for more than 30 seconds, the gas flame was applied again for 2 minutes at the same point or at any other point.

RESULTS

	Self-Sustaining Flame Time		
Application	Sample 1	Sample 2	Sample 3
10 seconds:	_____	_____	_____
1 minute:	_____	_____	_____
2 minutes:	_____	_____	_____

( ) The burning, if any, of the insulating materials was steady and did not spread appreciably. The flame self-extinguished within 30 seconds after removal of the gas flame.

( ) The burning of the insulating material was not steady or spread appreciably or the flame did not self-extinguish within 30 seconds after removal of the gas flame.

Comments: _____

_____

ULI ______(Dept/Sec) Page No. ____________

Project No.____________ File No.____________ Sample No. ____________

Tested by______________ /______________ Test Completion Date____________

(Printed Name / Signature)

File E__________ Page T___-___ of ___ Issued: ____________

New: ____________

* *

WP: DO NOT TYPE

NOTES TO LAB:

1. After test failure, describe exact failure under Comments.

NOTES TO ENGINEER:

1. Reference IEC 65, Safety Requirements for Mains Operated Electronic and Related Apparatus for Household and Similar General Use.

ULI _____(Dept/Sec) Page No. _____

Project No._____ File No._____ Sample No. _____

Tested by_____ /_____ Test Completion Date_____
(Printed Name / Signature)

File E_____ Page T___-___ of ___ Issued: _____
New: _____

1.5.4 - HIGH VOLTAGE (OVER 4 kV) MISC. PARTS FLAME TEST IN APPLIANCE:
(For Misc. Part)

METHOD

Following the Heating Test, the _____ was placed in a draft free location 20 cm (25/32 in.) above a white pine board covered with one layer of tissue paper. Using a butane gas flame 12 ± 2 mm (1/2 in.) long from a burner consisting of a tube having a bore of 0.5 ± 0.1 mm (0.021 in.), the flame was applied to the high voltage component for 10 seconds.

If a self-sustaining flame did not last for more than 30 seconds, the gas flame was applied again for 1 minute at the same area or at any other point. If again a self-sustaining flame did not last for more than 30 seconds, the gas flame was applied again for 2 minutes at the same point or at any other point.

If, following any application of the test flame, a flame persisted for more than 30 seconds, any appliance cover (if provided) was immediately placed over the appliance and the top and sides of the appliance were covered with cheesecloth while the component was still burning.

RESULTS

	Self-Sustaining Flame Time		
Application	Sample 1	Sample 2	Sample 3
10 seconds:	_____	_____	_____
1 minute:	_____	_____	_____
2 minutes:	_____	_____	_____

( ) The flame did not last for more than 30 seconds after the removal of the gas flame.

( ) The flame lasted for more than 30 seconds. However, the cheesecloth and the tissue paper showed no signs of burning or charring.

( ) The cheesecloth/tissue paper/cheesecloth and tissue paper showed signs of burning or charring.

Comments: _____

_____