

ET1525L-XXXX\*, ET1527L-XXXX\*, ET154XL-XXXX\*,  
ET156XL-XXXX\*, ET158XL-XXXX\* SERIES

PROJECT # 576

AGENCY CERTIFICATIONS

ITEM	CERTIFICATION DOCUMENT
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2	ET1545L-XXXX-X USR/CNR Recognized– Report Page 1& 2 Conditions of Acceptability
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8	FCC Part 15/Industry Canada ICES-03/VCCI/C-Tick Class B: Declaration of Conformity
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ELO DOCUMENT #ES500133 Rev. B

## DESCRIPTION

## PRODUCT COVERED:

\*USL, CNL - Touch screen monitor, Models ET1525L-XXXX-X-XX, ET1525L-XXXX-XY, ET1527L-XXXX-XY and ET1527L-XXXX-X-XX, where X may be any alphanumeric character or blank and Y may be any suffix.

## ELECTRICAL RATING:

Voltage: 100-240 V ac  
Frequency: 50-60 Hz  
Current: 0.5 A

## ENGINEERING CONSIDERATIONS: (Not for Field Representative's Use)

Special Considerations - The following items are considerations that were used when evaluating this product.

USL/CNL indicates investigation to the U.S. and Canadian (Bi-National) Standard for Safety of Information Technology Equipment, UL 60950, Third Edition, dated December 1, 2000 which is based upon IEC 60950, Third Edition and CAN/CSA-C22.2 No. 60950, Third Edition.

The equipment was submitted and tested for a maximum manufacturer's recommended ambient (T<sub>mra</sub>) of 50°C.

The equipment is movable, Class I (earthed), pluggable Type A or B, uses detachable power cord, intended for use on a TN power system.

Disconnect Device - The appliance inlet is considered the disconnect device.

## DESCRIPTION

## PRODUCT COVERED:

\*USR, CNR - Component - Touch Screen Monitor, Model ET1545L-XXXX-X-XX, where X may be any alphanumeric character or blank; Touch Screen Monitor, Models ET154XL-XXXX-XY, ET156XL-XXXX-XY, and ET158XL-XXXX-XY, where "X" may be A-Z, 0-9, or blank, "Y" may be any alphanumeric suffixes.

## ELECTRICAL RATING:

Voltage: 100-240 V ac  
Frequency: 50-60 Hz  
Current: 0.5 A

## ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

Special Considerations - The following items are considerations that were used when evaluating this product.

USR/CNR indicates investigation to the U.S. and Canadian (Bi-National) Standard for Safety of Information Technology Equipment, UL 60950, Third Edition, dated December 1, 2000 which is based upon IEC 60950, Third Edition and CAN/CSA-C22.2 No. 60950, Third Edition.

\*The equipment was submitted and tested for a maximum manufacturer's recommended ambient (Tmra) of 50°C.

The equipment is movable, Class I (earthed), pluggable Type A or B, uses detachable power cord, intended for use on a TN power system.

Disconnect Device - An appliance inlet.

Conditions of Acceptability - When installed in the end product, consideration shall be given to the following:

1. This component has been judged on the basis of the required spacings in the Standard for Safety of Information Technology Equipment, Including Electrical Business Equipment, CAN/CSA C22.2 No. 60950-00/UL 60950, Third Edition, dated December 1, 2000, which would cover the component itself if submitted for Listing.
2. The Monitor shall be properly bonded to mains protective earthing terminations in the end-product.
3. The maximum working voltage present is 212 Vrms; 488 Vpk. The electric strength tests in the end-product shall be based on this value.
4. The Earthing, Leakage Current and Strain Relief tests should be conducted in the end-product investigation.
5. Each component is for factory installation only.
6. The suitability of the mounting means shall be determined in each end-use application.

# Zertifikat

# Certificate



Zertifikat Nr. Certificate No.  
S 3-50007608

Blatt Page  
0001

Ihr Zeichen Client Reference  
BL

Unser Zeichen Our Reference  
ZTW1-CWU- 10002049 001

Ausstellungsdatum  
23.11.2001

Date of Issue  
(day/mo/yr)

Genehmigungsinhaber License Holder  
ELO Touch Systems, Inc.  
6500 Kaiser Drive  
FREMONT, CA 94555-3613  
USA

Fertigungsstätte Manufacturing Plant  
ZTW1-SSY-10002049 002

## Prüfzeichen Test Mark



Geprüft nach Tested acc. to  
EN 60950:1992+A1+A2+A3+A4+A11  
EK1-ITB 2000

Zertifiziertes Produkt (Geräteidentifikation)  
Certified Product (Product Identification)

Lizenzentgelte - Einheit  
License Fee - Unit

Bildschirm (LCD Touch Monitor)

Bezeichnung : ET1525L-XXXC-X-XX (Elo) 5  
(Type Designation)  
X steht für : 0-9, A-Z oder (or) 1  
(stands for) freibleibend (blank)  
Nennspannung (Rated Voltage) : AC 100-240V, 50-60Hz  
Nennstrom (Rated Current) : 0.5A  
Schutzklasse (Protection Class) : I

## Klassifizierung (Classification)

Reflexionsklasse (Reflection Class) pos./neg.:

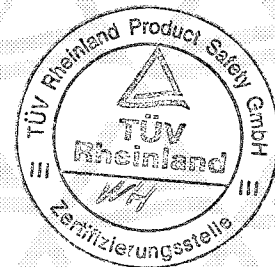
I/I (CLAA150XA03/Chunghwa)

I/II (CLAA150XA03/Chunghwa - touch screen SCN-IT/ELO)

II/III (CLAA150XA03/Chunghwa - touch screen SCN-AT/ELO)

Hinweis (Remark): Die Anwendung dieses Monitors erfordert eine speziell kontrollierte Umgebungsbeleuchtung.

(The application of this monitor requires a special controlled luminous environment.)



6

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde. Das Zertifikat ist max. 5 Jahre gültig, gerechnet jeweils vom Ausstellungsdatum des letzten Blattes. Produkt und Fertigungsstätte erfüllen Par. 3 Abs. 1 und 4 des Gerätesicherheitsgesetzes. This certificate is based on our Testing and Certification Regulation. The certificate is valid for max. 5 years after the date of issue of the latest page. Product and production fulfill par. 3 Art. 1 and 4 of the German Safety Law.

Zertifizierungsstelle

**TÜV Rheinland Product Safety GmbH, Am Grauen Stein, D-51105 Köln**  
Zugelassene Stelle nach Par. 9 Abs. 2 GSG, Registered Authority acc. par. 9 Art. 2 GSG

Dipl.-Ing. W. Hsu

Tel.:(+49/221)8 06 - 13 71 Fax:(+49/221)8 06 - 39 35 e-mail: Althoff@de.tuv.com

# Zertifikat

# Certificate



Zertifikat Nr. Certificate No.  
S 3-50007608

Blatt Page  
0002

Ihr Zeichen Client Reference  
BL

Unser Zeichen Our Reference  
ZTW1-CWU- 10002049 001

Ausstellungsdatum  
23.11.2001

Date of Issue  
(day/mo/yr)

Genehmigungsinhaber License Holder  
ELO Touch Systems, Inc.  
6500 Kaiser Drive  
FREMONT, CA 94555-3613  
USA

Fertigungsstätte Manufacturing Plant  
ZTW1-SSY-10002049 002

Prüfzeichen Test Mark



Geprüft nach Tested acc. to  
EN 60950:1992+A1+A2+A3+A4+A11  
EK1-ITB 2000

Zertifiziertes Produkt (Geräteidentifikation)  
Certified Product (Product Identification)

Lizenzentgelte - Einheit  
License Fee - Unit

Bildschirm (LCD Touch Monitor)

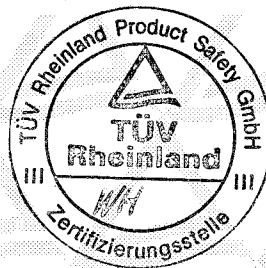
wie Blatt (as page) 01

Ergänzung  
(Addition)

Bezeichnung : ET1527L-XXXC-X-XX (Elo) 5  
(Type Designation)

X steht für : 0-9, A-Z oder (or) 1  
(stands for) freibleibend (blank)

6



Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde. Das Zertifikat ist max. 5 Jahre gültig, gerechnet jeweils vom Ausstellungsdatum des letzten Blattes. Produkt und Fertigungsstätte erfüllen Par. 3 Abs. 1 und 4 des Gerätesicherheitsgesetzes. This certificate is based on our Testing and Certification Regulation. The certificate is valid for max. 5 years after the date of issue of the latest page. Product and production fulfill par. 3 Art. 1 and 4 of the German Safety Law.

Zertifizierungsstelle

TÜV Rheinland Product Safety GmbH, Am Grauen Stein, D-51105 Köln  
Zugelassene Stelle nach Par. 9 Abs. 2 GSG, Registered Authority acc. par. 9 Art. 2 GSG

Dipl.-Ing. W. Hsu

Tel.:(+49/221)8 06 - 13 71 Fax:(+49/221)8 06 - 39 35 e-mail: Althoff@de.tuv.com

# Zertifikat

# Certificate



Zertifikat Nr. Certificate No.  
R 3-50007537

Blatt Page  
0001

Ihr Zeichen Client Reference  
BL

Unser Zeichen Our Reference  
ZTW1-CWU- 10002050 001

Ausstellungsdatum  
23.11.2001

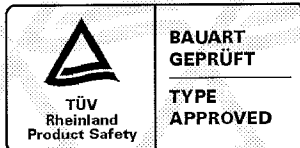
Date of Issue  
(day/mo/yr)

Genehmigungsinhaber License Holder  
ELO Touch Systems, Inc.  
6500 Kaiser Drive  
FREMONT, CA 94555-3613  
USA

Fertigungsstätte Manufacturing Plant  
ZTW1-SSY-10002050 001

## Prüfzeichen Test Mark

Geprüft nach Tested acc. to  
EN 60950:1992+A1+A2+A3+A4+A11

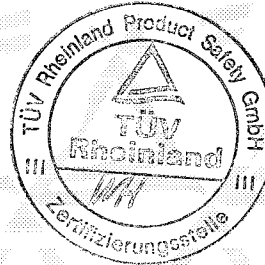


Zertifiziertes Produkt (Geräteidentifikation)  
Certified Product (Product Identification)

Lizenzentgelte - Einheit  
License Fee - Unit

Bildschirm (Component Type LCD Touch Monitor)

Bezeichnung (Type Designation)	: ET1545L-XXXC-X-XX (Elo)	5
X steht für (stands for)	: A-Z, 0-9 oder (or) freibleibend (blank)	1
Nennspannung (Rated Voltage)	: AC 100-240V, 50-60Hz	
Nennstrom (Rated Current)	: 0.5A	
Schutzklasse (Protection Class)	: I	
Schutzart (Kind of protection)	: abgedeckt (covered)	



Vermerke: Primär- und Sekundärkreise sind durch verstärkte Isolation getrennt.  
(Remark : Primary- and secondary circuits are separated by reinforced isolation.)

6

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.  
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.  
This certificate is based on our Testing and Certification Regulation. The product fulfills above-mentioned-requirements, the production is subject to surveillance.

Zertifizierungsstelle

TÜV Rheinland Product Safety GmbH, Am Grauen Stein, D-51105 Köln

Dipl.-Ing. W. Hsu

IEC SYSTEM FOR CONFORMITY TESTING  
AND CERTIFICATION OF ELECTRICAL  
EQUIPMENT (IECEE)  
CB SCHEME

SYSTÈME CEI D'ESSAIS DE CONFORMITÉ  
ET DE CERTIFICATION DES ÉQUIPEMENTS  
ÉLECTRIQUE (IECEE)  
METHODE OC

## CB TEST CERTIFICATE CERTIFICAT D'ESSAI OC

Product

*Produit*

Name and address of the applicant

*Nom et adresse du demandeur*

Name and address of the manufacturer

*Nom et adresse du fabricant*

Name and address of the factory

*Nom et adresse de l'usine*

Rating and principal characteristics

*Valeurs nominales et caractéristiques principales*

Trade mark (if any)

*Marque de fabrique (si elle existe)*

Model/type Ref.

*Ref. de type*

Additional information (if necessary)

*Information complémentaire (si nécessaire)*

A sample of the product was tested and found  
to be in conformity with

*Un échantillon de ce produit a été essayé et a été  
considéré conforme à la*

as shown in the Test Report Ref. No.

which form part of this certificate

*comme indiqué dans le Rapport d'essais numéro  
de référence*

*qui constitue une partie de ce certificat*

This CB Test Certificate is issued by the National Certification Body

*Ce Certificat d'essai OC est établi par l'Organisme National de Certification*

LCD Touch Monitor

ELO Touch Systems, Inc.  
6500 Kaiser Drive  
FREMONT, CA 94555-3613, USA

ELO Touch Systems, Inc.  
6500 Kaiser Drive  
FREMONT, CA 94555-3613, USA

(See appendix for factories information)

Input rating : AC 100-240V, 50-60Hz, 0.5A  
Protection class : I

Trade mark of elo

ET1525L-XXXC-X-XX , ET1527L-XXXC-X-XX  
X=A-Z, 0-9 or blank

For differences between the models, refer to the test report

**PUBLICATION**

**EDITION**

IEC 60950:1991+A1+A2+A3+A4  
inclusive CENELEC Common Modifications  
National differences see test report

12001844 001



**TÜV Rheinland Japan Ltd.**  
3-19-5 Shin-Yokohama  
222-0033 Japan

Date 28.02.2002

Signature

*Kerner*  
Dipl.-Ing. W. Herlitschke

TEST REPORT

IEC 950

Safety of information technology equipment

Report

Reference No.....: <12001844 001>

Compiled by (+ signature) .....: E. Otsuka

*E. Otsuka*

Approved by (+ signature) .....: S. Hartter

Date of issue.....: 19-Feb-02

Contents.....: 78 pages

This report is based on a blank test report that was prepared by KEMA using information obtained from the TRF originator (see below).

Testing laboratory

Name .....: TÜV Rheinland Japan Ltd., Yokohama Laboratories

Address.....: Festo Bldg. 5F, 1-26-10 Hayabuchi, Tsuzuki-Ku,  
Yokohama 224-0025, Japan

Testing location.....: TÜV Rheinland Japan Ltd., Yokohama Laboratories

Client

Name .....: Elo Touch Systems Inc.

Address.....: 6500 Kaiser Drive Fremont, CA 94555-3613, U.S.A.

Test specification

Standard.....: IEC 60950:1991+A1:1992 + A2:1993 + A3:1995 + A4:1996  
EN 60950:1992+A1:1993+A2:1993+A3:1995+A4:1997+A11:1997  
EMKO-TSE(74-SEC)207/94 , GB 4943, UL 1950,  
C22.2 No. 950 3rd edition, AS 3260

Test procedure .....: CB-scheme

Procedure deviation.....: Australia, Austria, Belgium, Canada, China, The Czech Republic,  
Denmark, Finland, France, Germany, Greece, Hungary, India, Ireland,  
Israel, Italy, Japan, Rep. of Korea, The Netherlands, Norway, Poland,  
Russian Fed., Singapore, Slovakia, Slovenia, South Africa, Spain,  
Sweden, Switzerland, United Kingdom, USA

Non-standard test method.....: N.A.

Test Report Form/blank test report

Test Report Form No.....: I950\_\_D/97-06

TRF originator.....: FIMKO

Master TRF.....: reference No. I950 D, dated 97-02

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**IEC SYSTEM FOR CONFORMITY TESTING  
AND CERTIFICATION OF ELECTRICAL  
EQUIPMENT (IECEE)  
CB SCHEME**

**SYSTÈME CEI D'ESSAIS DE CONFORMITÉ  
ET DE CERTIFICATION DES EQUIPEMENTS  
ELECTRIQUE (IECEE)  
METHODE OC**

## CB TEST CERTIFICATE CERTIFICAT D'ESSAI OC

Product

*Produit*

Name and address of the applicant

*Nom et adresse du demandeur*

Name and address of the manufacturer

*Nom et adresse du fabricant*

Name and address of the factory

*Nom et adresse de l'usine*

Rating and principal characteristics

*Valeurs nominales et caractéristiques principales*

Trade mark (if any)

*Marque de fabrication (si elle existe)*

Model/type Ref.

*Ref. de type*

Additional information (if necessary)

*Information complémentaire (si nécessaire)*

A sample of the product was tested and found  
to be in conformity with

*Un échantillon de ce produit a été essayé et a été  
considéré conforme à la*

as shown in the Test Report Ref. No.

which form part of this certificate

*comme indiqué dans le Rapport d'essais numéro  
de référence*

*qui constitue une partie de ce certificat*

This CB Test Certificate is issued by the National Certification Body

*Ce Certificat d'essai OC est établi par l'Organisme National de Certification*

Component Type LCD Touch monitor

ELO Touch Systems, Inc.  
6500 Kaiser Drive  
FREMONT, CA 94555-3613, USA

ELO Touch Systems, Inc.  
6500 Kaiser Drive  
FREMONT, CA 94555-3613, USA

(See appendix for factories information)

Input Rating : AC 100-240V, 50-60Hz, 0.5A  
Protection Class : I

elo

ET1545L-XXXX-X-XX  
(X = A-Z, 0-9 or blank)

**PUBLICATION**

**EDITION**

IEC 60950:1991+A1+A2+A3+A4  
inclusive CENELEC Common Modifications  
National differences see test report

12001840 001



**TÜV Rheinland Japan Ltd.**  
3-19-5 Shin-Yokohama  
222-0033 Japan

Date 28.02.2002

Signature

Dipl.-Ing W. Herlitschke

TEST REPORT

IEC 950

Safety of information technology equipment

Report

Reference No.....: <12001840 001>

Compiled by (+ signature) .....: S. Hartter

Approved by (+ signature) .....: E. Ctscha

Date of issue .....: 19-Feb-02

Contents.....: 76 pages

This report is based on a blank test report that was prepared by KEMA using information obtained from the TRF originator (see below).

Testing laboratory

Name .....: TÜV Rheinland Japan Ltd., Yokohama Laboratories

Address.....: Festo Bldg. 5F, 1-26-10 Hayabuchi, Tsuzuki-Ku,  
Yokohama 224-0025, Japan

Testing location.....: TÜV Rheinland Japan Ltd., Yokohama Laboratories

Client

Name .....: Elo Touch Systems Inc.

Address.....: 6500 Kaiser Drive Fremont, CA 94555-3613, U.S.A.

Test specification

Standard.....: IEC 60950:1991+A1:1992 + A2:1993 + A3:1995 + A4:1996  
EN 60950:1992+A1:1993+A2:1993+A3:1995+A4:1997+A11:1997  
EMKO-TSE(74-SEC)207/94 , GB 4943, UL 1950,  
C22.2 No. 950 3rd edition, AS 3260

Test procedure .....: CB-scheme

Procedure deviation.....: Australia, Austria, Belgium, Canada, China, The Czech Republic,  
Denmark, Finland, France, Germany, Greece, Hungary, India, Ireland,  
Israel, Italy, Japan, Rep. of Korea, The Netherlands, Norway, Poland,  
Russian Fed., Singapore, Slovakia, Slovenia, South Africa, Spain,  
Sweden, Switzerland, United Kingdom, USA

Non-standard test method.....: N.A.

Test Report Form/blank test report

Test Report Form No.....: I950\_\_D/97-06

TRF originator.....: FIMKO

Master TRF.....: reference No. I950 D, dated 97-02

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# Declaration of Conformity

Standards to which conformity is declared:

FCC Part 15: Class B  
ICES-03: Class B  
VCCI: Class B  
C-TICK Class B  
UL 60950: Third Edition<sup>1</sup>  
C22.2 No. 60950: Third Edition<sup>1</sup> (cUL)  
EN 60950: Third Edition<sup>2</sup> (via TUV)

<sup>1</sup> Listing for case versions; Recognized Component for kiosk versions

<sup>2</sup> GS for case versions; Bauart for kiosk versions

Manufacturer's Name and Address: Elo TouchSystems, Inc.  
6500 Kaiser Drive  
Fremont, California, USA  
94555-3613

Type of Equipment: Information Technology Equipment  
Equipment Class: Commercial & Light Industrial  
Product Name: Touch Monitor

Model Number(s): (x=0-9/A-Z/blank, \*= suffixes)

CASE: ET1525L-XXXC\*, ET1527L-XXXC\*  
KIOSK ET154XL-XXXC\*, ET156XL-XXXC\*, ET158XL-XXXC\*

Year of Manufacture: 2001

*We hereby declare that the equipment specified above conforms to the above Standard(s).*



Ken North  
Manager, Engineering TouchSystems  
Fremont, California, USA

# Declaration of Conformity

Application of Council Directives: 89/336/EEC  
93/68/EEC

Standards to which conformity is declared:

EN 60 950 : 1992+A1+A2+A3+A4+A11  
EN 55 022 : 1998 Class B  
EN 55 024 : 1998  
EN 61 000-3-2: 1995+A1+A2 Class A  
EN 61 000-3-3: 1995 Standard  
EN 61 000-4-2: 1995 4/8 kV  
EN 61 000-4-3: 1995 Level 2, 3 volts/meter  
EN 61 000-4-4: 1995 Level 2, 1.0kv at 5Khz  
EN 61 000-4-5: 1995 Level 3, 2.0kv at 5Khz  
EN 61 000-4-6: 1996 Level 2, 3 volts at 0.15-80Mhz  
EN 61 000-4-8: 1993  
EN 61 000-4-11: 1994 0/40/70%  $U_T$ , dips, variations  
MPRII: 1990:8+10  
EK1-ITB: 2000

Manufacturer's Name and Address: Elo TouchSystems, Inc.  
6500 Kaiser Drive  
Fremont, California, USA  
94555-3613

Manufacturer's Address in EU: Tyco Electronics Raychem NV, div. Elo TouchSystems  
Diestsesteenweg 692  
Kessel-lo, Belgium

Type of Equipment: Information Technology Equipment

Equipment Class: Commercial & Light Industrial

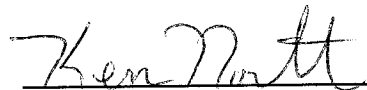
Product Name: Touch Monitor

Model Number(s): ET1525L-XXXC\*, ET1527L-XXXC\*,  
ET154XL-XXXC\*, ET156XL-XXXC\*,  
ET158XL-XXXC\* (x=0-9/A-Z/blank, \*= suffixes)

Year of Manufacture: 2001

*We hereby declare that the equipment specified above conforms to the above Directives and Standard(s).*

\_\_\_\_\_  
Michael Bartelmess  
Product Manager  
Kessel-lo, Belgium



Ken North  
Manager, Engineering TouchSystems  
Fremont, California, USA