

REVISION HISTORY

Rev	Description	Author.	Approved by	Date
A	Initial release per ECO-12-020164	Dean King	Dean King	November 16, 2012

Contents

Elo combined Declaration of Conformity
 ITE TUV-CB Certificate
 Medical CB Certificate
 UL Report Cover Sheet and Technical Considerations
 EMC certificate for EU
 EMC certificate for FCC, ICES

DOC #:

AC200032

Print Date: 15-Nov-12

REV:

A

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FOR THE LATEST VERSION OF THIS
 DOCUMENT GO TO ELO TOUCH SOLUTIONS'
 WEBSITE: www.elotouch.com



Elo Touch Solutions, Inc.
301 Constitution Drive
Menlo Park, CA 94025 USA

1-800-557-1458 tel
www.elotouch.com

Declaration of Conformity

Model Numbers: ET1528L

Type of Equipment: Information Technology and Telecommunications Equipment

Equipment Class: Commercial & Light Industrial

Product Name: LCD Touchmonitor

Date of Declaration: November 15, 2012

EU Directives and Standards to which conformity is declared:

Electromagnetic Emissions:

EU Directive 2004/108/EC (EU EMC Directive)

EN 55022:2010, Class B

IEC61000-3-2:2005+A1:2008+A2:2009

IEC61000-3-3:2008

Compliance is declared to these additional EMC standards:

FCC Part 15:2005, Class B

ICES-003:2004, Class B

EN60601-1-2:2007

CISPR 11:2009 +A1:2010, Group1, Class B

Electromagnetic Immunity:

EU Directive 2004/108/EC (EU EMC Directive)

EN 55024:2010

IEC61000-4-2:2008 ED.2.0

IEC61000-4-3 :2010 ED.3.2

IEC61000-4-4:2011 ED. 2.1

IEC61000-4-5 :2005 ED. 2.0

IEC61000-4-6 :2008 ED. 3.0

IEC61000-4-8 :2009 ED. 2.0

IEC 61000-4-11:2004 ED. 2.0



Safety:

EU Directive 2006/95/EC (Low Voltage Directive)
EN 60950-1:2006+A11
IEC 60950-1:2005 Second Edition
UL 60950-1:2007, Second Edition
CSA C22.2 No. 60950-1-07 2nd Edition

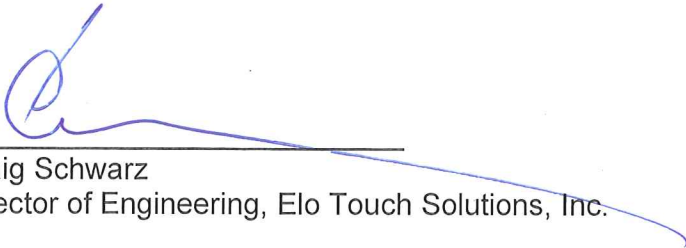
Compliance is declared to these additional safety standards

IEC60601-1: 2005 Third Edition
ANSI/AAMI ES-60601-1:2005
CAN/CSA-C22.2 No. 60601-1 (2008)

Restriction of Hazardous Substances:

EU Directive 2011/65/EU (EU RoHS Recast)
EN 50581: 2012

We hereby declare under our sole responsibility, that the equipment specified above conforms to the above Directives and Standard(s).

A handwritten signature in blue ink, appearing to be "Craig Schwarz", written over a horizontal line.

Craig Schwarz
Director of Engineering, Elo Touch Solutions, Inc.



Ref. Certif. No.

SE-59359M1

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST
CERTIFICATES FOR ELECTRICAL EQUIPMENT
(IECEE) CB SCHEME

SYSTEME CEI D'ACCEPTATION MUTUELLE DE
CERTIFICATS D'ESSAIS DES EQUIPEMENTS
ELECTRIQUES (IECEE) METHODE OC

CB TEST CERTIFICATE

CERTIFICAT D'ESSAI OC

Product
Produit

LCD Touch Monitor

Name and address of the applicant
Nom et adresse du demandeur

Tyco Electronics Corp.
301 Constitution Drive, Menlo Park, CA 94025,
UNITED STATES

Name and address of the manufacturer
Nom et adresse du fabricant

Same as above

Name and address of the factory
Nom et adresse de l'usine
Note: When more than one factory, please report on page 2
Note: Lorsque il y plus d'une usine, veuillez utiliser la 2^{ème} page

See page 2

Ratings and principal characteristics
Valeurs nominales et caractéristiques principales

12Vdc, 2.5A, Class III

Trademark (if any)
Marque de fabrique (si elle existe)

-

Type of Manufacturer's Testing Laboratories used
Type de programme du laboratoire d'essais
constructeur

-

Model / Type Ref.
Ref. De type

ET1528L-***** ET1526L-*****

Additional information (if necessary may also be
reported on page 2)
Les informations complémentaires (si nécessaire,
peuvent être indiqués sur la 2^{ème} page)

See page 2

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

IEC 60950-1:2005, Group and national
for the CENELEC countries (EN 60950-1:2006 + A11)

As shown in the Test Report Ref. No. which forms part
of this Certificate
Comme indiqué dans le Rapport d'essais numéro de
référence qui constitue partie de ce Certificat

TP09100188-ST, TP09100188-ST(R1)

This CB Test Certificate is issued by the National Certification Body
Ce Certificat d'essai OC est établi par l'Organisme National de Certification

Intertek Semko AB
Box 1103
SE-164 22 Kista, Sweden
Int +46 8 750 00 00

Date: 15 March 2012

Signature:

Bo Berglöv



Ref. Certif. No.

SE-59359M1

Factories
Les usines

Tyco Electronics Corp.
301 Constitution Drive, Menlo Park,
CA 94025,
UNITED STATES

Additional information (if necessary)
Information complémentaire (si nécessaire)

The national differences for CA, KR and US have been checked.

The requirements of the following countries have also been checked and found to include no national differences from the IEC 60950-1:2005 standard: JP.

Explanation of model designation ET1528L-***** ET1526L-*****.

The "*" can be 0-9, A-Z, hyphen or blank for the marketing purpose, only different model designations on the marking plate for different markets. No safety concern.

Model ET1526L-***** is identical to model ET1528L-***** except for the model designation.

For use only with power supply, mfr. Hitron, Type HES49-12040 or HEMG49-S120400-7 or mfr. Li Shin, Type LSE0107A1240 or LSE9901B1250 or LSE9901B1260.

This certificate replaces CB certificate SE-59359 dated October 30, 2009. A new certificate has been issued due to correct typo on table 1.5.1, add an alternative power source and add alternative source of Touch Screen and Touch Controller.

Date: 15 March 2012

Signature:



Ref. Certif. No.

DE 2-015847-A1

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST
CERTIFICATES FOR ELECTRICAL EQUIPMENT
(IECEE) CB SCHEME

SYSTEME CEI D'ACCEPTATION MUTUELLE DE
CERTIFICATS D'ESSAIS DES EQUIPEMENTS
ELECTRIQUES (IECEE) METHODE OC

CB TEST CERTIFICATE
CERTIFICAT D'ESSAI OC

Product
Produit

LCD Touchmonitor

Name and address of the applicant
Nom et adresse du demandeur

ELO TOUCHSYSTEMS, BUSINESS OF TYCO ELECTRONICS CORP
2245 BRIGHTON-HENRIETTA
town line rd., Rochester NY 14623, USA

Name and address of the manufacturer
Nom et adresse du fabricant

ELO TOUCHSYSTEMS, BUSINESS OF TYCO ELECTRONICS CORP
2245 BRIGHTON-HENRIETTA
town line rd., Rochester NY 14623, USA

Name and address of the factory
Nom et adresse de l'usine

☒ Additional Information page 2

Note: When more than one factory, please report on page 2
Note: Lorsque il y a plus d'une usine, veuillez utiliser la 2^{ème} page

Ratings and principal characteristics
Valeurs nominales et caractéristiques principales

DC 12V; 2.5A

Trade mark (if any)
Marque de fabrique (si elle existe)

ELO

Model/type Ref.
Ref. de type

ET1526L-XXXR*; ET1528L-XXXM*
(X = 0-9, A-Z, hyphen or blank for marketing purposes only;
* may be any suffix for marketing purposes only)

Additional information (if necessary may also be
reported on page 2)
Les Information complémentaire (si nécessaire,
peuvent être indiqués sur la 2^{ème} page)

-correct model name from "ET1526L-XXXM*" to "ET1526L-XXXR*";
-see also test report ref. no. 11028758 001

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

PUBLICATION **EDITION**
IEC 60601-1:2005
for national deviations see test report

As shown in the Test Report Ref. No. which forms part
of this Certificate
Comme indiqué dans le Rapport d'essais numéro de
référence qui constitue une partie de ce Certificat

11028758 002

This CB Test Certificate is issued by the National Certification Body
Ce Certificat d'essai OC est établi par l'Organisme National de Certification



TÜV Rheinland LGA Products GmbH
Tillystraße 2 · 90431 Nürnberg, Germany
Phone + 49 221 806-1371
Fax + 49 221 806-3935
Mail: cert-validity@de.tuv.com
Web: www.tuv.com



Date: 13.06.2012

Signature:

Dipl.-Ing. W. Hsu

1.

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

2.

Elo TouchSystems, Inc.
301 Constitution Drive
Menlo Park CA 94025-1111
USA

3.

ELO TOUCHSYSTEMS, BUSINESS OF
TYCO ELECTRONICS CORP
2245 BRIGHTON-HENRIETTA
town line rd.
Rochester NY 14623, USA

Additional information (if necessary)
Information complémentaire (si nécessaire)

Date: 13.06.2012

Signature:


Dipl.-Ing. W. Hsu

UL TEST REPORT AND PROCEDURE

Standard:	ANSI/AAMI ES60601-1 (2005 + C1:09 + A2:10)(Medical Electrical Equipment - Part 1: General Requirements for Basic Safety and Essential Performance) CAN/CSA-C22.2 No. 60601-1 (2008) (Medical Electrical Equipment - Part 1: General Requirements for Basic Safety and Essential Performance)
Certification Type:	Classification
CCN:	MDAF, MDAF7 (Medical Equipment - General Medical Equipment)
Product:	LCD Desktop Touchmonitor
Model:	ET1528L-XXXM* & ET1526L-XXXR*(X=0-9, A-Z, "-" or blank and * may be any suffix)
Rating:	For monitor: Input rating: 12 Vdc, 2.5 A For adapter: Input rating: 100-240Vac, 60/50Hz, 1.2-0.63A Output rating: 12 Vdc, 4.0 A
Applicant Name and Address:	

This is to certify that representative samples of the products covered by this Test Report have been investigated in accordance with the above referenced Standards. The products have been found to comply with the requirements covering the category and the products are judged to be eligible for Follow-Up Service under the indicated Test Procedure. The manufacturer is authorized to use the UL Mark on such products which comply with this Test Report and any other applicable requirements of UL LLC ('UL') in accordance with the Follow-Up Service Agreement. Only those products which properly bear the UL Mark are considered as being covered by UL's Follow-Up Service under the indicated Test Procedure.

The applicant is authorized to reproduce the referenced Test Report provided it is reproduced in its entirety.

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL.

Prepared by: David Shih

Reviewed by: Jimmy Deng

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Supporting Documentation

The following documents located at the beginning of this Procedure supplement the requirements of this Test Report:

- A. Authorization - The Authorization page may include additional Factory Identification Code markings.
- B. Generic Inspection Instructions -
 - i. Part AC details important information which may be applicable to products covered by this Procedure. Products described in this Test Report must comply with any applicable items listed unless otherwise stated in the body of this Test Report.
 - ii. Part AE details any requirements which may be applicable to all products covered by this Procedure. Products described in this Test Report must comply with any applicable items listed unless otherwise stated in the body of each Test Report.
 - iii. Part AF details the requirements for the UL Certification Mark which is not controlled by the technical standard used to investigate these products. Products are permitted to bear only the Certification Mark(s) corresponding to the countries for which it is certified, as indicated in each Test Report.

Product Description

The equipment which is a LCD Desktop Touchmonitor for general use in medical environment consists of electronic components mounted on PWB, 15 inch LCD panel with touch function, main board and D-sub & DVI-D ports, inverter board, touches function control board and housed within a plastic/metal combination enclosure.

The product is only used with UL R/C, QQHM2 power supply, Model HEMG49-S120400-7 manufactured by HITRON Electronics Corp. Product shall provide a suitable mounting means or base for installation.

Model Differences

Model ET1528L-XXXM* is identical to model ET1526L-XXXR* except model designation.

Technical Considerations

- Classification of installation and use : Portable
- Device type (component/sub-assembly/ equipment/ system) : Equipment
- Intended use (Including type of patient, application location) : None
- Mode of operation : Continuous
- Supply connection : Appliance coupler
- Accessories and detachable parts included : None
- Other options include : None
- The product was investigated to the following additional standards:: CAN/CSA-C22.2 No. 60601-1 (2008) (Medical Electrical Equipment - Part 1: General Requirements for Basic Safety and Essential Performance) (includes National Differences for Canada), ANSI/AAMI ES60601-1 (2005 + C1:09 + A2:10) (Medical Electrical Equipment - Part 1: General Requirements for Basic Safety and Essential Performance) (includes Deviations for United States)
- The product was not investigated to the following standards or clauses:: Electromagnetic Compatibility (IEC 60601-1-2), Clause 14, Programmable Electronic Systems, Biocompatibility (ISO 10993-1)
- The degree of protection against harmful ingress of water is:: IPX1 (not evaluated by UL)
- The mode of operation is:: Continuous
- The product is suitable for use in the presence of a flammable anesthetics mixture with air or oxygen

CERTIFICATE OF CONFORMITY



A D T

Equipment : 15" LCD Touch Monitor
Brand Name : TE Connectivity , Elo, Tyco , TPS
Test Model No. : ET1528L
Multiple Listing : ET1528LXXXXXXXXXXXXXXXXXXXXX,
 ET1526LXXXXXXXXXXXXXXXXXXXXX
 (The "X" in the model could be defined as 0-9, A-Z or blank for
 marketing differentiation)
Applicant : Elo Touch Systems Inc.
Test Report No. : CE951211A02A



We, **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, declare that the equipment above has been tested in our facility and found compliance with the requirement limits of applicable standards. The test record, data evaluation and Equipment Under Test (EUT) configurations represented herein are true and accurate under the standards herein specified.

EN 60601-1-2:2007

The EMC limits and test methods are referred to the following standards:

Emission:

CISPR 11:2009 +A1:2010 (Group I, Class B)

EN 55022:2010, Class B

IEC 61000-3-2:2005 +A1:2008 +A2:2009

IEC 61000-3-3:2008

Immunity:

EN 55024:2010

IEC 61000-4-2:2008 ED.2.0

IEC 61000-4-3:2010 ED.3.2

IEC 61000-4-4:2011 ED.2.1

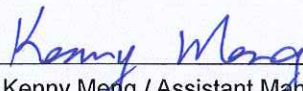
IEC 61000-4-5:2005 ED.2.0

IEC 61000-4-6:2008 ED.3.0

IEC 61000-4-8:2009 ED.2.0

IEC 61000-4-11:2004 ED.2.0

Notes: The above IEC basic standards are applied with latest version if customer has no special requirement
 In accordance with the council directive 93/42/EEC


 Kenny Meng / Assistant Manager
 Apr. 16, 2012

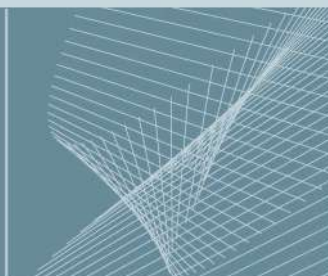


No. 47, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan (R.O.C.)

Tel: 886-2-26052180 Fax: 886-2-26051924

http://www.adt.com.tw E-Mail: service.adt@tw.bureauveritas.com

CERTIFICATE OF CONFORMITY



Equipment : 15" LCD Touch Monitor
Brand Name : Elo, TPS
Test Model No. : ET1528L-7CWM-1-G
Multiple Listing : ET1528L-XXXM*, ET1528L-YZXM-X*
("X" in above models could be defined as 0~9, A~Z, -, or blank,
and "*" could be defined as followed by suffix)
("YZ" in the model: ET1528L-YZXM-X* could be defined as
7C/8C/9C/0N)
Applicant : Elo TouchSystems, Inc.
Test Report No. : FD951211A02

We, **Advance Data Technology Corp.**, declare that the equipment above has been tested in our facility and found compliance with the requirement limits of applicable standards. The test record, data evaluation and Equipment Under Test (EUT) configurations represented herein are true and accurate under the standards herein specified.

FCC Part 15: 2006, Subpart B, Class B

CISPR 22: 1997, Class B

ICES-003: 2004, Class B

ANSI C63.4-2003



Kenny Meng

Kenny Meng / Deputy Manager Linkou EMC / RF Lab. ADT CORP.