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700 SW 39TH ST  
RENTON WA 98057

Date: 05/27/2010  
Subscriber: 660876001  
PartySite: 142523  
File No: E137142  
Project No: 10SR5954780  
PD No: 10M26532  
Type: R  
PO Number:

Subject: Procedure Material For Manufacturer

This authorization is effective from the date of this Notice and only for products produced at the manufacturing location(s) specified on the current Authorization Page. Records in the Follow-Up Services Procedure covering the product are identified on the Addendum and attached.

Products that bear the UL Mark shall be identical to those that were evaluated by UL and found to comply with UL's requirements. If changes in construction are discovered, appropriate action will be taken for products not in compliance and continued use of the UL Mark may be withdrawn. UL may elect to withdraw use of the UL Mark if the Applicant or Manufacturer fails to comply with UL's requirements, including ongoing compliance of the product under UL's Follow-Up Services.

The contents of this Letter are intended solely for the use of UL, the Applicant and specified Manufacturers. The opinions and findings of UL represent its judgment given with due consideration to the limitations of practical operation in accordance with UL's objectives and purposes.

UL shall not incur any obligation or liability for any loss, expense or damages, including incidental, consequential or punitive damages, arising out of or in connection with the use or reliance upon the contents of this letter to anyone other than the Applicant as provided in the agreement between UL and Applicant. Any use or reference to UL's name or certification mark(s) by anyone other than the Applicant in accordance with the agreement is prohibited without the express written approval of UL.

This material is provided on behalf of Underwriters Laboratories Inc.(UL) or any authorized licensee of UL.

The following material resulting from the investigation under the above numbers is enclosed.

<u>Document</u>	<u>Volume</u>	<u>Report Reference</u>	<u>Status</u>	<u>Date</u>
UL Test Report	XI	E137142-A12-UL-1	Correction	05/27/10

Please file revised Authorizations, Indices, and General Inspection Instructions in place of material of like identity. New Test Reports should be filed immediately following the last Test Report. Amendments or Corrections should be filed immediately before the Test Report to which they relate. Re-issued Test Reports should be filed immediately before all material related to the Test Report that it replaces.

NOTE: Manufacturers receive only the following sub-sections of the Applicant's complete Test Report, where applicable: Cover Page, Specific Inspection Criteria (BA through BE), Specific Technical Criteria (through section CF), Critical Components table, and Enclosures containing image supplements. Manufacturers do not receive Test Report Information related to standard clause compliance or testing results. Please review this material and report any inaccuracies to our Customer Service Professional, PHONE: 1-877-UL Helps (877-854-3577), FAX: 1-360-817-6000, E-MAIL: CEC@us.ul.com, referring to the above Project and/or PD Numbers.

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UL INSPECTION CENTER 969

**COVER PAGE FOR TEST REPORT**

Product Category:	Information Technology Equipment Including Electrical Business Equipment
Product Category CCN:	NWGQ, NWGQ7
Test Procedure:	Listing
Product:	Bar Code Scanner
Model/Type Reference:	MS-890
Rating(s):	Voltage: 10-28 Vdc, 25 W (Provided for Reference Only)
Standards:	UL 60950-1, 1st Edition, 2007-10-31 (Information Technology Equipment - Safety - Part 1: General Requirements) CSA C22.2 No. 60950-1-03, 1st Edition, 2006-07 (Information Technology Equipment - Safety - Part 1: General Requirements)
Applicant Name and Address:	MICROSCAN SYSTEMS INC 700 SW 39TH ST RENTON WA 98057 UNITED STATES
This Report includes the following parts, in addition to this cover page: 1. Specific Technical Criteria 2. Critical Components	

Issue Date: 2007-07-11  
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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 Underwriters Laboratories Inc. ('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.

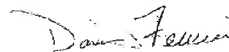
Any information and documentation involving UL Mark services are provided on behalf of Underwriters Laboratories Inc. (UL) or any authorized licensee of UL.

Test Report By:



Kevin F. Tang  
Staff Engineer  
Underwriters Laboratories Inc.

Reviewed By:



David Feusier  
Staff Engineer  
Underwriters Laboratories Inc.

## **SPECIFIC TECHNICAL CRITERIA**

<b>UL 60950-1, First Edition</b> <b>Information technology equipment - Safety-</b> <b>Part 1: General Requirements</b>	
Report Reference No.....	E137142-A12-UL-1
Compiled by .....	Kevin F. Tang
Reviewed by .....	David Feusier
Date of issue .....	2007-07-11
Standards .....	UL 60950-1, 1st Edition, 2007-10-31 (Information Technology Equipment - Safety - Part 1: General Requirements) CSA C22.2 No. 60950-1-03, 1st Edition, 2006-07 (Information Technology Equipment - Safety - Part 1: General Requirements)
Test procedure .....	Listing
Non-standard test method .....	N/A
<b>Test item</b> description .....	Bar Code Scanner
Trademark .....	None
Model and/or type reference .....	MS-890
Rating(s) .....	Voltage: 10-28 Vdc, 25 W (Provided for Reference Only)

<b>Particulars: test item vs. test requirements</b>	
Equipment mobility .....	movable (may be mounted, Stationary)
Operating condition .....	continuous
Mains supply tolerance (%) .....	No direct connection
Tested for IT power systems .....	No
IT testing, phase-phase voltage (V) .....	N/A
Class of equipment .....	Class III (supplied by SELV)
Mass of equipment (kg) .....	1.58 kg
Protection against ingress of water .....	IP X0

<b>Possible test case verdicts:</b>	
- test case does not apply to the test object .....	N / A
- test object does meet the requirement .....	Pass
- test object does not meet the requirement .....	Fail (acceptable only if a corresponding, less stringent national requirement is "Pass")

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**General remarks:**

- "(see Enclosure #)" refers to additional information appended to the Test Report
- "(see appended table)" refers to a table appended to the Test Report
- Throughout the Test Report a point is used as the decimal separator

<b>GENERAL PRODUCT INFORMATION:</b>	
CA1.0	<b>Report Summary</b>
CA1.1	N/A
CB1.0	<b>Product Description</b>
CB1.1	This equipment is a Class II laser product incorporating a Class IIIb laser diode and complies with FDA Radiation Performance Standards, 21 CFR Subchapter J.
CC1.0	<b>Model Differences</b>
CC1.1	N/A
CD1.0	<b>Additional Information</b>
CD1.1	<p>Enclosures:</p> <p>Not investigated. A test report for the power supply may be required when submitting this CB Report to a National Certification Body (NCB) to obtain a national mark. Units require a Listed (EPBU), Class 2 power supply or Listed (QQGQ) power supply marked "Limited Power Source" or "LPS".</p> <p>Correction 1 - Corrected the dimensions from 9.7 cm by 5.5 cm to 10.1 cm by 6.2 cm for Scan Window to Critical Component List.</p>
CE1.0	<b>Technical Considerations</b>
CE1.2	The product was submitted and evaluated for use at the maximum ambient temperature (Tma) permitted by the manufacturer's specification of: 50
CE1.6	The class of laser product is: Class 2 (II). This equipment is a Class II laser product incorporating a Class IIIb laser diode and it complies with FDA Radiation Performance Standards, 21 CFR Subchapter J.,
CE1.15	The power supply in this equipment was: Not investigated. A test report for the power supply may be required when submitting this CB Report to a National Certification Body (NCB) to obtain a national mark. Units require a Listed (EPBU), Class 2 power supply or Listed (QQGQ) power supply marked "Limited Power Source" or "LPS".

IEC 60950-1		
Clause	Requirement + Test	Result - Remark
		Verdict

TABLE: list of critical components						
1.5.1	Object/part No.	Manufacturer/ trademark	type/model	technical data	Product Category CCN(s)	Required Marks of Conformity
	Enclosure	Various	Aluminum	Three piece construction, overall 14.6 cm by 12.7 cm by 8.3 cm, minimum 4.0 mm thick.  Top, Rear and bottom enclosure parts are secured by screws to complete the overall enclosure.	--	--
	Interface Connector	Various	Various	SELV interface connector (DB- 15).  Metal pins in a metal housing.  Insulating base plastic shall be R/C (QMFZ2 rated minimum V- 2.	--	--
	Interface Connector (Alternate)	Various	Various	SELV interface connector (DB- 15).	ECBT2 or DUXR2	UL
	Printed Wiring Board	Various	Various	Rated minimum V-1, 105 °C	ZPMV2	UL
	Scan Window	--	--	Glass, overall 10.1 cm by 6.2 cm	--	--
	Mirror Motor	Maxon Motor	EC 32	Rated 9 V dc, 6 W (SELV)	--	--
	Laser Diode	Toshiba	TOLD9441MC	Rated 2.2. V, 650 nm, 7 mW	--	--
	Power Supply	Various	Various	Input rated: 100-240 Vac, 1.5 A.	EPBU	UL
	Power Supply (Alternate)	Various	Various	Output rated: 10-28 Vdc, 5 W. Input rated: 100-240 Vac, 1.5	QQGQ	UL



IEC 60950-1			
Clause	Requirement + Test	Result - Remark	Verdict
		A.	
		Output rated: 10-28 Vdc, 5 W.	
		Additionally marked "LPS" or "Limited Power Source"	
LED	Various	Visible indicator for unit condition "Power On"	--
			--