

GE

Inspection Technologies 721 Visions Drive Skaneateles, NY 13152 (315) 554-2000

Certificate of Equivalency - XLVu

I certify that the XLVu Products have an equivalent Design, Components and Processes used in Manufacturing as our XLGo+. Based on this equivalency I certify that the XLVu Products are designed to meet MIL-STD-810G.

Attached is our Certificate of Testing of the XLGo+ Products to MIL-STD-810G completed by Retlif Testing Laboratories on No 9 of 2011

Certifying Official

Anne Milne – Quality Manager

Aure Milue 6/6/12



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WASHINGTON REGULATORY OFFICE 703-033-1614 Fex 703-633-1812



Environmental Test Report

On

(5) XLGO Video Probes Model Numbers: XLGOC6120, XLGOC3920, XLGOC8430, XLGOC8496, XLGOC8420

Customer Name: GE Sensing & Inspection Customer P.O.: W034836 **Date of Revised Report:** November 9, 2011 **Revised Test Report No.:** R-13894, Rev. B **Test Start Date:** July 6, 2011 **Test Finish Date:** August 22, 2011 N. Mirabile, G. Costello. Test Technicians: J. Schlee, L. Stoddard Supervisor: N. Accardi **Technical Coordinator Environmental Test Services:** S. Poggi Report Rev. Prepared By: D. Hull **Government Source Inspection:** Not Applicable

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Certification and Signatures

We certify that this report is a true report of the results obtained from the tests of the equipment stated and relates only to the equipment tested. We further certify that the measurements shown in this report were made in accordance with the procedures indicated and vouch for the qualifications of all Retlif Testing Laboratories personnel taking them.

Nicholas E. Accardi

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Environmental Laboratory Supervisor

Scott Poggi

Technical Coordinator Environmental Test Services

Non-Warranty Provision

The testing services have been performed, findings obtained and reports prepared in accordance with generally accepted laboratory principles and practices. This warranty is in lieu of all others, either expressed or implied.

Non-Endorsement

This test report contains only findings and results arrived at after employing the specific test procedures and standards listed herein. It is not intended to constitute a recommendation, endorsement or certification of the product or material tested. This test report may not be used by the client to claim product endorsement by NVLAP, NIST or any agency of the U.S. Government.



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Test Program Summary

Test Report Number: R-13894, Rev. B

Customer: GE Sensing & Inspection

Address: 721 Visions Drive

Skaneateles, NY 13152

Manufacturer: GE Sensing & Inspection

Test Samples: (5) XLGO Video Probes

 Model Numbers:
 XLGOC6120
 XLGOC3920
 XLGOC8430
 XLGOC8496
 XLGOC8420

 Serial Numbers:
 1107E0019
 1112E0002
 1107E0027
 1108E007
 1107E0026

Test Environment:

All testing was performed at the Retlif Testing Laboratories, Ronkonkoma, New York facility. Each test method was performed in the environment specified within the test standard. Where the test environment deviated from that specified, it is noted in the applicable test data.

Test Purpose:

The purpose of this qualification test program was to determine if the (5) XLGO Video Probes could withstand the anticipated environment extremes in accordance with the method requirements of MIL-STD-810G.

Test Specification:

MIL-STD-810G, Department of Defense Test Method Standard, Environmental Engineering Considerations and Laboratory Tests, Dated: October 31, 2008

Mode of Operation:

During the performance of all testing specified herein, the EUT was powered via battery. The unit was turned on and the probe light was illuminated. The tip of the probe was reorientated by the remote joystick as applicable during testing.



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Acceptability Criteria:

The following was considered EUT acceptability:

- No evidence of mechanical damage noted
- The EUT shall display the appropriate screen functions
- The probe light shall remain illuminated
- The articulate motors shall operate as directed by the joystick

Salt Fog:

- Same as above
- Cosmetic damage shall be permitted

Blowing Rain:

- Same as above
- Some water penetration shall be permitted

Explosive Atmosphere:

• There shall be no explosion in the main chamber as a result of operation in an explosive environment

Input Voltage:

The (5) XLGO Video Probes was battery powered with 5 VDC.



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Test Methods:

The following table depicts the test methods that were performed on the (5) XLGO Video Probes and the corresponding test results:

Test Method	Component	Model Number	Serial Number	Testing Dates	Test Results
Explosive Atmosphere	XLGO Video Probe	XLGOC6120	1107E0019	July 14, 2011	Complied
Humidity	XLGO Video Probe in Transit Case	XLGOC6120	.GOC6120 1107E0019 July 16-2	July 16-27, 2011	Complied
	XLGO Video Probe	XLGOC3920	1112E0002		
Blowing Rain	XLGO Video Probe	XLGOC6120	1107E0019	July 27, 2011	Complied
Random Vibration	XLGO Video Probe in Transit Case	XLGOC3920	1112E0002	July 6, 2011	Complied
Drop Shock	XLGO Video Probe in Transit Case	XLGOC8430	1107E0027	July 13, 2011	Complied
Salt Fog	XLGO Video Probe	XLGOC8430	1107E0027	July 28-31, 2011	
	XLGO Video Probe in Transit Case	XLGOC8496	1108E0007		Complied
lcing/Freezing Rain	XLGO Video Probe	XLGOC8496	1108E0007	July 25, 2011	Complied
Blowing Dust	XLGO Video Probe	XLGOC8420	1107E0026	August 19-22, 2011	Complied

Modifications:

No modifications were made to the (5) XLGO Video Probes during the course of this testing.



Testing Certificate # 1149.01

All test methods listed above are included in Retlif Testing Laboratories, Ronkonkoma, New York, A2LA Scope of Accreditation and were performed in accordance with the Retlif Testing Laboratory Quality System which is compliant with the requirements of ISO/IEC 17025 General Requirements for the Competence of Calibration and Testing Laboratories.



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