

Rapport d'entretien préventif

Moniteur de signes vitaux

SERVICE

Urgence-Observation

Marque Welch Allyn
Modèle Connex Spot 7000 Series
No. Série 100075881623

Date 11-06-2026
No. GBM 802011
No. SR SR #1288706

I Inspection générale

Effectué

- 1.1 Nettoyer l'extérieur de l'équipement
- 1.2 Vérifier l'état général de l'appareil et de ses accessoires
- 1.3 Vérifier le câble d'alimentation
- 1.4 Ouvrir le boîtier et déboursoier l'extérieur et l'intérieur
- 1.5 Fermer le boîtier
- 1.6 Vérifier le fonctionnement avec alimentation du secteur
- 1.7 Vérifier le fonctionnement avec alimentation de la batterie
- 1.8 Vérifier que le moniteur n'affiche aucun code d'erreur lors de l'ouverture
- 1.9 Vérifier la date et heure de l'appareil
- 1.10 Test de sécurité électrique CL1

✓
✓
✓
✓
✓
✓
✓
✓
✓
✓

II Vérification avec le WAST

Effectué

- 2.1 Vérifier que le WAST détecte l'appareil
- 2.2 Vérifier s'il y a des mises à jour du logiciel à faire
- 2.3 Faire les tests du *Host Controller*
- 2.4 Faire les tests du *SureTemp Thermometer*
- 2.5 Faire les tests du *SpO2 Sensor*
- 2.6 Faire les tests du *NIBP Sensor*
- 2.7 Sauvegarder le log du WAST

✓
✓
✓
✓
✓
✓
✓

IV Certificat des instruments de mesure

Instrument de mesure	Manomètre	Tubes pneumatiques	Testeur de moniteur SpO ₂	Testeur de thermomètre	Testeur de thermomètre	Testeur de thermomètre	Testeur de Sécur. Électr.
No GBM /série			23127	72996	74241	72995	65229
Certifié par	Getinge	Hans Rudolph Inc.	Getinge	Getinge	Getinge	Getinge	Getinge
No de certification	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Échéance Certific.			23092026	30092026	30092026	30092026	25092026

V Commentaires

Joindre le log du WAST et le test de sécurité électrique à la requête

VI Techniciens GBM

Titre

Hermann FOSSUO TALOM

/ Technicien GBM

/ Electromecanicien

©V2 - Rédigé par Paul Savard - 2025-03-07



Hillrom™

HERNANDEZ

Partners in CareSM Services Calibration Certificate



☐ Welch Allyn, Inc.
Corporate Headquarters
4341 State Street Road
Skaneateles Falls, NY 13153
(800) 535-6663

☐ Mexico Office
Welch Allyn de México
S. de R.L. de C.V.
Calle Emilio Flores #2471-A
Colonia Cañón de Padre
Tijuana, Baja California C.P. 22203
México
(800) 535-6663

☐ Welch Allyn Inc.
Maidstone 28
5026 SK Tilburg
The Netherlands
+31(0)13-4582630

☐ Welch Allyn Australia
C/O Ceva Logistics, Warehouse 5A
9-11 Distribution Drive
Orchard Hills, NSW 2748
Australia
1800 445 576

☐ Welch Allyn Latin America
Mexico City Office
Av Ejercito Nacional 253-A Mezanine
Col Anahuac Miguel Hidalgo
DF, Mexico C.P. 11320
Mexico
52 555 283-2470

☐ Welch Allyn Japan Tech Service Center
5F Nakaya daini Bldg.
6-5-10 Hashimoto, midori-ku
SAGAMIHARA-CITY, KANAGAWA 252-0143
JAPAN
+81-42-703-6084

☐ Welch Allyn Malaysia Sdn. Bhd.
Suite GF 101-2 Ground Floor
Tower 2 Kelana Brem Towers, Jln SS7/15
Kelana Jaya, 47301
Petaling Jaya, Selangor,
Malaysia
+603 7884 3341

☐ Welch Allyn Medical Equipment (Suzhou) Co. Ltd.
Floor 3, Building 9,
No. 8 Jinfeng Road
Suzhou Science & Technology Town
Jiangsu, China 215163
+86 512 6808 6078

☐ Welch Allyn South Africa (Pty) Ltd
Unit 21C, The Woodlands Office Park
Woodlands drive, Woodmead, 2191
+27100017788



(91)772547

Model number **REF**: 74MT

Serial number **SN**: 100075881623

Date: 2026-06-11

Welch Allyn, Inc. certifies that the above referenced product and applicable parameter modules have been tested and calibrated to Welch Allyn specifications as referenced in the Instructions for Use and Service Manual using instruments traceable to The International System of Units (SI) and The National Institute of Standards (NIST).

Approved by Jorge Equihua
Manager, Quality Assurance

5-2-15-34

=====

Service Record 2026/06/11 10:47:43

=====

Device Name :Connex Spot Monitor
Serial # :100075881623 CI #802011 
REF # :74MT
Service Tool Version :1.10.1
Core Version :1.5.0.3

=====

Verify/Calibrate 2026/06/11 10:48:50

=====

Device Name :Connex Spot Monitor
Serial # :100075881623
REF # :74MT
Plugin Version # :1.2.0.1

Test Summary

InitialPOSTTest:	Passed
LCDDisplayTest:	Passed
BackLightInterfaceTest:	Passed
TouchScreenInterfaceTest:	Passed
LEDTest:	Passed
BeeperTest:	Passed
NurseCallRelayTest:	Passed
BatteryOperationTest:	Passed
SpeakerTest:	Passed
USBHostPortCommunicationTest:	Passed
EthernetCommunicationTest:	Skipped
BluetoothTest:	Skipped
WirelessTest:	Skipped
MasimoFunctionalTest:	Passed

Test Details

InitialPOSTTest - Passed:

LCDDisplayTest - Passed:

BackLightInterfaceTest - Passed:

TouchScreenInterfaceTest - Passed:

LEDTest - Passed:

BeeperTest - Passed:

NurseCallRelayTest - Passed:

Battery Operation Test - Passed:

Power Source Disconnected

Device Battery Information:

Current:	-608
Level:	FULL_CHARGE
Status:	NOT_CHARGING
Voltage:	8136

Power Source Connected

Device Battery:

Current:	-608
Level:	FULL_CHARGE
Status:	NOT_CHARGING
Voltage:	8128

SpeakerTest - Passed:

USB Host Port Communication Tests - Passed:

	Actual Reading

Port Numbers:	1

Masimo Functionality Test - Passed:

	Specification	Actual Reading
	-----	-----
SpO2 Heart Rate:	59....61	60 BPM
O2 Saturation:	77%83%	81%

=====
Verify/Calibrate 2026/06/11 11:01:31
=====

Device Name	:NIBP Sensor
Serial #	:NOT SET
REF #	:NOT SET
Plugin Version #	:1.3.1.1

Test Summary

InitialPOSTTest:	Passed
LeakTest:	Passed
PowerCalibrationPrimaryAndSafety:	Passed
PressureCalibrationPrimaryAndSafety:	Passed
PressureAccuracyTest:	Passed
PressureAccuracyTest50:	Passed
PressureAccuracyTest150:	Passed
PressureAccuracyTest250:	Passed
ADNoiseTest:	Passed
PumpInflationTest:	Passed
DumpTest:	Passed
SingleLumenSwitchTest:	Skipped
DualLumenSwitchTest:	Passed
OverPressureTest:	Passed
ResidualPressureTest:	Passed

Test Details

Initial POST Test - Passed:

	Specification	Actual Reading
	-----	-----
Acceptable Errors:	0.0	0.0

Leak Test - Passed:

	Specification	Actual Reading
	-----	-----
Pressure leak:	Max:5	2,84 mmHg

Power Calibration Primary/Safety - Passed:

	Specification	Actual Reading
	-----	-----
Input Voltage:	15,00	15,00
Current Battery Voltage (Primary):	15,00 (+/- 0,1)	14,99
Current Battery Voltage (Safety):	15,00 (+/- 0,1)	14,92
Calculated Coefficient(Primary):	-32000....32000	16394
Calculated Coefficient(Safety):	-32000....32000	16470
Measured Deviation(Primary):	Max:0,1	0,01 Volts
Measured Deviation(Safety):	Max:0,1	0,079 Volts

Pressure Calibration Primary and Safety - Failed:

	Specification	Actual Reading	
	-----	-----	
Internal Temperature(Primary):	Max:50	31,7	Celsius
Calculated Zero Coefficient(Primary):	-15384....15384	42	
Measured Zero Deviation(Primary):	0,05	0	mmHg
Calculated Span Coefficient(Primary):	1000....31767	0	
Measured Span Deviation(Primary):	Max:0,1	250	mmHg
Internal Temperature(Safety):	Max:50	31,7	Celsius
Calculated Zero Coefficient(Safety):	50....255	93	
Measured Span Deviation(Safety):	Max:1000	0	mmHg
Calculated Span Coefficient(Safety):	1....10000		

Pressure Calibration Primary and Safety - Passed:

	Specification	Actual Reading	
	-----	-----	
Internal Temperature(Primary):	Max:50	32,2	Celsius
Calculated Zero Coefficient(Primary):	-15384....15384	40	
Measured Zero Deviation(Primary):	0,05	0	mmHg
Calculated Span Coefficient(Primary):	1000....31767	18969	
Measured Span Deviation(Primary):	Max:0,1	0	mmHg
Internal Temperature(Safety):	Max:50	32,2	Celsius
Calculated Zero Coefficient(Safety):	50....255	93	
Measured Span Deviation(Safety):	Max:1000	0,26	mmHg
Calculated Span Coefficient(Safety):	1....10000	3912	

Pressure Accuracy Test 0 mmHg - Passed:

	Actual -----	Primary -----	Safety -----	
Pressure :	0	0,11	1,37	mmHg

Pressure Accuracy Test 50 mmHg - Passed:

	Actual -----	Primary -----	Safety -----	
Pressure :	51	51,48	51,04	mmHg

Pressure Accuracy Test 150 mmHg - Passed:

	Actual -----	Primary -----	Safety -----	
Pressure :	152	151,34	151	mmHg

Pressure Accuracy Test 250 mmHg - Failed:

	Actual -----	Primary -----	Safety -----	
Pressure :	250	247,41	247,04	mmHg

Pressure Accuracy Test 250 mmHg - Failed:

	Actual -----	Primary -----	Safety -----	
Pressure :	250	247,46	247,14	mmHg

Pressure Accuracy Test 250 mmHg - Failed:

	Actual -----	Primary -----	Safety -----	
Pressure :	249	246,35	246,06	mmHg

Pressure Accuracy Test 250 mmHg - Failed:

	Actual	Primary	Safety	
	-----	-----	-----	
Pressure :	250	246,42	246,06	mmHg

Pressure Accuracy Test 250 mmHg - Failed:

	Actual	Primary	Safety	
	-----	-----	-----	
Pressure :	250	247,01	246,45	mmHg

Pressure Accuracy Test 250 mmHg - Passed:

	Actual	Primary	Safety	
	-----	-----	-----	
Pressure :	250	248,02	247,63	mmHg

AD Noise Test - Failed:

	Specification	Actual Reading	
	-----	-----	
Noise pressure:	Max:0,05	0,06	mmHg

AD Noise Test - Passed:

	Specification	Actual Reading	
	-----	-----	
Noise pressure:	Max:0,05	0,03	mmHg

Pump Inflation Test - Passed:

	Specification	Actual Reading	
--	---------------	----------------	--

Inflation time: Max:7 3,623 Seconds

Dump Test - Passed:

Specification Actual Reading

Dump Time: Max:10 4,5 Seconds

DualLumenSwitchTest - Passed:

Over Pressure Test - Passed:

Specification Actual Reading

Adult Mode: 280....329 298,58 mmHg

Neonate Mode: 130....164 146,1 mmHg

Residual Pressure Test - Passed:

Specification Actual Reading

Error Code: 28 28

=====
Verify/Calibrate 2026/06/11 11:33:29
=====

Device Name :SureTemp Thermometer
Serial # :100022651623

REF # :420846
Plugin Version # :1.4.0.0

Test Summary

InitialPOSTTest: Passed
ProbeSwitchTest: Passed
LowTemperatureTest: Passed
MediumTemperatureTest: Passed
HighTemperatureTest: Passed
CalibrationKeyTemperatureTest: Passed

Test Details

Initial POST Test - Passed:

Specification Actual Reading

Acceptable Errors: 0.0,5.3,5.4,5.9 0.0
POST Status: COMPLETE COMPLETE

Probe Switch Test - Passed:

Possible Switch Values (On = 1 / Off = 0 / Default Value (Test had already failed)
= 2)

Specification Actual Reading

Probe is not connected: 0 0
Probe is connected: 1 1
Probe is in well: 0 0
Probe is not in well: 1 1

Low Temperature Test - Passed:

	Specification	Actual Reading
	-----	-----
Temperature Read:	96,6....97	96,8 °F

Medium Temperature Test - Passed:

	Specification	Actual Reading
	-----	-----
Temperature Read:	101,1....101,5	101,3 °F

High Temperature Test - Passed:

	Specification	Actual Reading
	-----	-----
Temperature Read:	105,6....106	105,9 °F

Calibration Key Temperature Test - Passed:

	Specification	Actual Reading
	-----	-----
Temperature Read:	97,1....97,5	97,3 °F

=====

Service Record End

=====

2026/06/11 14:02:44

=====

Signature	2026/06/11 14:02:44
-----------	---------------------

=====

Administrator

Fluke Biomedical Ansur

Test and Inspection Procedure

Copyright © 2000 - 2014 Fluke Biomedical

Enregistrement du Test

TEST REUSSI

Test effectué		Logiciels utilisés	
Date:	12-06-2026	Ansur	Version 3.1.3
Fichier résultat:	GBM802011_IEC 60601-1 - CL2.mtr	Module: ESA620	Version 1.2.6
Fichier protocole:	IEC 60601-1 - CL2.mtt		
version du protocole:	1.0.0		

Paramètres du Test

Sélections

Type de maintenance utilisé	Normes utilisées
	IEC 60601

Appareil à tester

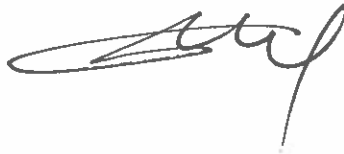
N° Serie	100075881623	Code Equipement	802011
----------	--------------	-----------------	--------

Données MTI

Testeur	N° Série	Version Firmware
ESA 620	3933556	v2.11

Signatures

HERMANN



FOSSUO

Résultat du Test

Élément de test	Type de test	Echoué
IEC 60601-1 - CL2 <i>Commentaire:</i> (1) Connect the DUT to the ESA620 as indicated in the operators manual. (2) Ensure that DUT power is On. (3) Click module setup and specify the patient leads that are to be tested. (4) Connect patient leads as indicated to the right. (5) Click Start Test to perform the safety test.	Auto Sequence	
Mains Voltage	Mains Voltage	
Live to Neutral <i>Résultat:</i> Live to Neutral	Mains Voltage Live to Neutral <i>Valeurs</i> 117,7 <i>Unité</i> V <i>Limites Hautes</i> <i>Limites Basses</i>	Standard IEC 60601
Enclosure Leakage Current <i>Configuration:</i> Parties appliquées: En l'air	Enclosure Leakage Current	
Normal Condition <i>Résultat:</i> Normal Condition	Enclosure Leakage Current Normal Condition <i>Valeurs</i> 1,1 <i>Unité</i> uAAC+DC <i>Limites Hautes</i> 100 <i>Limites Basses</i>	Standard IEC 60601
Open Neutral <i>Résultat:</i> Open Neutral	Enclosure Leakage Current Open Neutral <i>Valeurs</i> 1,1 <i>Unité</i> uAAC+DC <i>Limites Hautes</i> 500 <i>Limites Basses</i>	Standard IEC 60601
Normal Condition, Reversed mains <i>Résultat:</i> Normal Condition, Reversed mains	Enclosure Leakage Current Normal Condition, Reversed mains <i>Valeurs</i> 1,1 <i>Unité</i> uAAC+DC <i>Limites Hautes</i> 100 <i>Limites Basses</i>	Standard IEC 60601
Open Neutral, Reversed Mains <i>Résultat:</i> Open Neutral, Reversed Mains	Enclosure Leakage Current Open Neutral, Reversed Mains <i>Valeurs</i> 1,1 <i>Unité</i> uAAC+DC <i>Limites Hautes</i> 500 <i>Limites Basses</i>	Standard IEC 60601