

Herrmann



Partners in CareSM Services Calibration Certificate



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

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

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

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 Inc.
Maldstone 28
5026 SK Tilburg
The Netherlands
+31(0)3-4582630

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

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**: 100035482522 CI 801088

Date: 2024-12-19

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



Service Record

2024/12/19 10:36:25

```

Device Name      :Connex Spot Monitor
Serial #        :100035482522
REF #          :74MT
Service Tool Version :1.10.1
Core Version    :1.5.0.3

```

CI 801088

Verify/Calibrate

2024/12/19 10:38:43

```

Device Name      :Connex Spot Monitor
Serial #        :100035482522
REF #          :74MT
Plugin Version # :1.2.0.1

```

Test Summary

```

InitialPOSTTest:          Passed
LCDDisplayTest:          Passed
BackLightInterfaceTest:  Passed
TouchScreenInterfaceTest: Passed
LEDTTest:                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: -507
Level: FULL_CHARGE
Status: NOT_CHARGING
Voltage: 8219

Power Source Connected

Device Battery:

Current: -8
Level: FULL_CHARGE
Status: NOT_CHARGING
Voltage: 8209

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%	78%

=====
Verify/Calibrate 2024/12/19 10:56:30
=====

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	1,89 mmHg

Power Calibration Primary/Safety - Passed:

	Specification	Actual Reading
Input Voltage:	15,00	15,00
Current Battery Voltage (Primary):	15,00 (+/- 0,1)	15,01
Current Battery Voltage (Safety):	15,00 (+/- 0,1)	15,04
Calculated Coefficient(Primary):	-32000....32000	16377
Calculated Coefficient(Safety):	-32000....32000	16342
Measured Deviation(Primary):	Max:0,1	0,006 Volts
Measured Deviation(Safety):	Max:0,1	0,038 Volts

Pressure Calibration Primary and Safety - Passed:

	Specification	Actual Reading	
	-----	-----	
Internal Temperature(Primary):	Max:50	30,9	Celsius
Calculated Zero Coefficient(Primary):	-15384....15384	-70	
Measured Zero Deviation(Primary):	0,05	0,01	mmHg
Calculated Span Coefficient(Primary):	1000....31767	17209	
Measured Span Deviation(Primary):	Max:0,1	0,02	mmHg
Internal Temperature(Safety):	Max:50	30,9	Celsius
Calculated Zero Coefficient(Safety):	50....255	93	
Measured Span Deviation(Safety):	Max:1000	0,03	mmHg
Calculated Span Coefficient(Safety):	1....10000	3558	

Pressure Accuracy Test 0 mmHg - Passed:

	Actual	Primary	Safety	
	-----	-----	-----	
Pressure :	0	0,12	-0,03	mmHg

Pressure Accuracy Test 50 mmHg - Failed:

	Actual	Primary	Safety	
	-----	-----	-----	
Pressure :	53	50	50,52	mmHg

Pressure Accuracy Test 50 mmHg - Passed:

	Actual	Primary	Safety	
	-----	-----	-----	
Pressure :	52	50,73	51,32	mmHg

Pressure Accuracy Test 150 mmHg - Passed:

Actual Primary Safety

Pressure : 153 152,59 153,43 mmHg

Pressure Accuracy Test 250 mmHg - Failed:

Actual Primary Safety

Pressure : 253 249,34 249,32 mmHg

Pressure Accuracy Test 250 mmHg - Failed:

Actual Primary Safety

Pressure : 254 248,74 249,06 mmHg

Pressure Accuracy Test 250 mmHg - Passed:

Actual Primary Safety

Pressure : 251 249,85 249,94 mmHg

AD Noise Test - Passed:

	Specification	Actual Reading
Noise pressure:	Max:0,05	0,04 mmHg

Pump Inflation Test - Passed:

	Specification	Actual Reading
Inflation time:	Max:7	3,692 Seconds

Dump Test - Passed:

	Specification	Actual Reading
	-----	-----
Dump Time:	Max:10	4,54 Seconds

DualLumenSwitchTest - Passed:

Over Pressure Test - Passed:

	Specification	Actual Reading
	-----	-----
Adult Mode:	280....329	298,07 mmHg
Neonate Mode:	130....164	145,88 mmHg

Residual Pressure Test - Passed:

	Specification	Actual Reading
	-----	-----
Error Code:	28	28

=====
Verify/Calibrate 2024/12/19 11:07:21
=====

Device Name :SureTemp Thermometer
Serial # :100061422622
REF # :412960
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....106 105,8 °F

Calibration Key Temperature Test - Failed:

Specification Actual Reading

Temperature Read: 97,1....97,5 101,9 °F

Calibration Key Temperature Test - Passed:

Specification Actual Reading

Temperature Read: 97,1....97,5 97,3 °F