

Hermann Talam
Electromecanicien



Partners in CareSM Services Calibration Certificate



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Model number **REF**: 74MT

Serial number **SN**: 100075881623

Date: 2024-06-26

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



(91)772547

Hermann 1210M
Electromecanica



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Service Record

2024/06/26 09:57:34

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

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Verify/Calibrate

2024/06/26 09:58:41

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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
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:	-620
Level:	FULL_CHARGE
Status:	NOT_CHARGING
Voltage:	8134

Power Source Connected

Device Battery:

Current:	-179
Level:	FULL_CHARGE
Status:	NOT_CHARGING
Voltage:	8124

SpeakerTest - Passed:

USB Host Port Communication Tests - Passed:

	Actual Reading

Port Numbers:	1

Masimo Functionality Test - Passed:

	Specification	Actual Reading
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SpO2 Heart Rate:	59....61	60 BPM
O2 Saturation:	77%83%	78%

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Verify/Calibrate 2024/06/26 10:06:36
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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	1,92 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)	14,95
Calculated Coefficient(Primary):	-32000....32000	16377
Calculated Coefficient(Safety):	-32000....32000	16435
Measured Deviation(Primary):	Max:0,1	0,006 Volts
Measured Deviation(Safety):	Max:0,1	0,047 Volts

Pressure Calibration Primary and Safety - Passed:

	Specification	Actual Reading	
	-----	-----	
Internal Temperature(Primary):	Max:50	31,2	Celsius
Calculated Zero Coefficient(Primary):	-15384....15384	42	
Measured Zero Deviation(Primary):	0,05	0,01	mmHg
Calculated Span Coefficient(Primary):	1000....31767	17082	
Measured Span Deviation(Primary):	Max:0,1	0,03	mmHg
Internal Temperature(Safety):	Max:50	31,2	Celsius
Calculated Zero Coefficient(Safety):	50....255	90	
Measured Span Deviation(Safety):	Max:1000	0,05	mmHg
Calculated Span Coefficient(Safety):	1....10000	3532	

Pressure Accuracy Test 0 mmHg - Passed:

	Actual	Primary	Safety	
	-----	-----	-----	
Pressure :	0	0,13	0	mmHg

Pressure Accuracy Test 50 mmHg - Passed:

	Actual	Primary	Safety	
	-----	-----	-----	
Pressure :	53	52,46	52,62	mmHg

Pressure Accuracy Test 150 mmHg - Passed:

	Actual	Primary	Safety	
	-----	-----	-----	
Pressure :	153	152,43	152,93	mmHg

Pressure Accuracy Test 250 mmHg - Failed:

	Actual	Primary	Safety	
	-----	-----	-----	
Pressure :	254	250,3	250,41	mmHg

Pressure Accuracy Test 250 mmHg - Failed:

	Actual	Primary	Safety	
	-----	-----	-----	
Pressure :	253	250,38	250,41	mmHg

Pressure Accuracy Test 250 mmHg - Failed:

	Actual	Primary	Safety	
	-----	-----	-----	
Pressure :	254	248,38	248,29	mmHg

Pressure Accuracy Test 250 mmHg - Passed:

	Actual	Primary	Safety	
	-----	-----	-----	
Pressure :	252	250,26	250,41	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	3,834	Seconds

Dump Test - Passed:

	Specification	Actual Reading
Dump Time:	Max:10	4,489 Seconds

DualLumenSwitchTest - Passed:

Over Pressure Test - Passed:

	Specification	Actual Reading
Adult Mode:	280....329	298,5 mmHg
Neonate Mode:	130....164	145,16 mmHg

Residual Pressure Test - Passed:

	Specification	Actual Reading
Error Code:	28	28

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Verify/Calibrate 2024/06/26 10:17:55
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Device Name :SureTemp Thermometer
Serial # :100022651623
REF # :420846
Plugin Version # :1.4.0.0

Test Summary

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

