



Certificate of Registration

(Quality Management System)

QFS MANAGEMENT SYSTEMS LLP

This is to Certify that the Quality Management System of
ACE MEDICAL SOLUTIONS (INDIA) PRIVATE LIMITED

**NO.-30, SAROJINI ST., CHINNA CHOKKIKULAM, MADURAI,
TAMIL NADU-625002, INDIA**

Has been found to be of the Quality Management System Standard
ISO 9001:2015

This certificate is valid for the following product or service range

PROVIDING CALIBRATION & SERVICES AND SALES OF MEDICAL EQUIPMENT

Certificate Number: **IS/1907AE/1218**

Initial Date of Certification: **11.07.2019**

Date of Certificate: **11.07.2019**

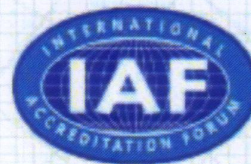
Date of Expiry: **10.07.2022**

1st Surv. Due on: **10.06.2020**

2nd Surv. Due on: **10.06.2021**

Director:

Date: **11.07.2019**



The validity of certificate is subject to regular surveillance audit on or before above mentioned dates and its only valid after successful surveillance with continuation letter issued by QFS. It is issued subject to the continued availability of access at any time and without notice to the above named organization's premises for the purpose of assessment and surveillance regarding the standard named above and QFS terms and conditions.

QFS MANAGEMENT SYSTEMS LLP

A-27/9, Sector-16, Noida-201301, U.P., India

Reach us : 9205794699

www.qfscerts.com

email: admin@qfscerts.com

This Certificate remains the property of QFS



Cert. No : CC-2788



MSIR INDIA
Calibration

#40, 2nd Floor, 2nd Street,
Padmavathi Nagar, Chromepet,
Chennai, Tamil Nadu - 600 044.

CALIBRATION CERTIFICATE

MCAL/FOR/TR-12

Page # 1 of 4

PRF # : MCAL/PRF/072007 Date of Calibration : 06-Jul-20
Certificate # : MSIR/410720/07-008 Recom. Due Date : 05-Jul-21

DETAILS OF USER CUSTOMER

M/S. PSG College of Technology.,
Peelamedu,
Coimbatore-6.

ULR # : ULR-CC278820000005392F
Calibrated at : On-site
Date of Receipt : 06-Jul-20
Cond. On Receipt : Satisfactory
Date of Issue : 08-Jul-20

DETAILS OF TEST / UNIT UNDER CALIBRATION

Description	: Documenting Process Calibrator	Identification #	: --
Range	: As Per Report	Serial #	: 3989014
Cal./Working Range	: As Per Report	Make	: Fluke
Least Count	: As Per Report	Model / Type	: 754
Location	: --	Accuracy	: As Per Manual

DETAILS OF MASTER INSTRUMENT USED

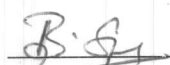
Description	Identification #	Valid upto	Certificate #
Multi product Calibrator	MCAL/INS/ET-01-01	04-May-21	Wavecal
AC/DC Clamp Coil Adaptor	MCAL/INS/ET-01-02	04-May-21	Wavecal
Digital multimeter	MCAL/INS/ET-02	01-Jun-21	MSIR India

MFC # : MCAL/MFC/ET-03, 06 & 07
Details of Env. : Temperature: 25±10°C Relative Humidity: 40-70 % RH

Remarks :

1. The reported Expanded Uncertainty is calculated at 95.45 % C.L with coverage factor k=2
2. The reported readings are average of three readings

Issued by :
MCAL - Engineer


Sangeetha.B

Authorised by :
QM / TM


Kamalanathan.V

MSIR INDIA PRIVATE LIMITED

(The Madras Science and Industrial Resources)

Phone : 044 2265 2634 +91 9789877567 Email: calibration@msirindia.com Web: www.msirindia.com



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Page # 2 of 4

Calibration Results						
S.No.	Parameter	Range	Standard Reading	Test Reading	Error	Uncertainty ±
1	DC Voltage	100	mV	mV	mV	mV
2			10.000	9.999	-0.001	--
3			50.000	49.998	-0.002	0.020
4	DC Voltage	3	V	V	V	V
5			0.300	0.30000	0.00000	--
6			1.500	1.50000	0.00000	0.001
7	DC Voltage	30	V	V	V	V
8			2.700	2.70008	0.00008	0.001
9			3.000	3.0000	0.0000	--
10	DC Voltage	300	V	V	V	V
11			15.000	15.0005	0.0005	0.006
12			27.000	27.0013	0.0013	0.011
13	DC Current	30	mA	mA	mA	mA
14			30.000	30.01	0.01	--
15			150.000	150.07	0.07	0.060
16	DC Current	100	mA	mA	mA	mA
17			270.000	270.13	0.13	0.108
18			3.000	2.999	-0.001	0.00120
19	DC Resistance	10	Ω	Ω	Ω	Ω
20			15.000	14.999	-0.001	0.006
21			27.000	27.002	0.002	0.014
22	DC Resistance	100	Ω	Ω	Ω	Ω
23			10.000	10.00	0.00	0.00400
24			50.000	50.02	0.02	0.020
25	DC Resistance	1	KΩ	KΩ	KΩ	KΩ
26			90.000	90.05	0.05	0.045
27			1.000	1.01	0.01	0.000
28	DC Resistance	10	Ω	Ω	Ω	Ω
29			5.000	5.03	0.03	0.002
30			9.000	9.05	0.05	0.004
31	Frequency	10 to 10kHz	Hz	Hz	Hz	Hz
32			10.000	10.1	0.1	0.004
33			50.000	50.4	0.4	0.020
34	Frequency	10 to 10kHz	Hz	Hz	Hz	Hz
35			1000.000	999.9	-0.1	0.060
36			5.000	5.01	0.01	0.000
37	Frequency	10 to 10kHz	kHz	kHz	kHz	kHz
38			10.000	10.00	0.00	0.001

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Page # 3 of 4

S.No.	Parameter	Range	Standard Reading	Test Reading	Error	Uncertainty ±
6	AC Voltage	3	V	V	V	V
7			0.300	0.30000	0.00000	--
10			1.500	1.50000	0.00000	0.001
6	AC Voltage	30	V	V	V	V
7			2.700	2.70000	0.00000	0.001
10			3.000	3.00000	0.00000	--
6	AC Voltage	300	V	V	V	V
7			15.000	15.0002	0.0002	0.006
10			27.000	27.0008	0.0008	0.011
6	AC Voltage	300	V	V	V	V
7			30.000	30.01	0.01	--
10			150.000	150.04	0.04	0.060
			270.000	270.06	0.06	0.108

Source Mode

S.No.	Parameter	Range	Test Reading	Standard Reading	Error	Uncertainty ±
61	DC Resistance	10	Ω	Ω	Ω	Ω
62			1.000	1.05	0.05	0.000
64			5.000	5.08	0.08	0.002
65	DC Resistance	100	Ω	Ω	Ω	Ω
66			9.000	9.11	0.11	0.004
68			10.000	10.1	0.1	0.004
69	DC Resistance	1	KΩ	KΩ	KΩ	KΩ
71			50.000	50.6	0.6	0.020
72			90.000	90.8	0.8	0.036
73	DC Resistance	10	KΩ	KΩ	KΩ	KΩ
74			0.100	0.1	0.0	0.000
75			0.500	0.5	0.0	0.000
			0.900	1.0	0.1	0.000
			KΩ	KΩ	KΩ	KΩ
			1.000	1.1	0.1	0.000
			5.000	5.5	0.5	0.002
			9.000	9.2	0.2	0.004

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Page # 4 of 4

S.No.	Parameter	Range	Test Reading	Standard Reading	Error	Uncertainty ±
		Hz	Hz	Hz	Hz	Hz
82	Frequency	10Hz to 10kHz	10.00	10.000	0.000	0.047
83			100.00	100.000	0.000	0.470
84			500.00	500.000	0.000	2.350
			kHz	kHz	kHz	kHz
85			1	1.000	0.000	0.005
86			10	10.000	0.000	0.047
		°C	°C	°C	°C	°C
87	Thermocouple -200 to 1200°C	TC 'J'	-200.00	-200.77	0.77	0.350
88			0.00	-0.32	0.32	0.350
89			600.00	599.86	0.14	0.350
90			1200	1200.02	-0.02	0.350
		°C	°C	°C	°C	°C
91	Thermocouple -200 to 1370°C	TC 'k'	-190.00	-190.86	0.86	0.410
92			0.00	-0.35	0.35	0.410
93			600.00	599.79	0.21	0.320
94			1370	1369.97	0.03	0.320
		°C	°C	°C	°C	°C
95	Thermocouple -200 to 400°C	TC 'T'	-200.00	-200.75	0.75	0.800
96			0.00	-0.30	0.30	0.800
97			200.00	199.86	0.14	0.170
98			400	399.88	0.12	0.170
		°C	°C	°C	°C	°C
99	Thermocouple -200 to 950°C	TC 'E'	-200.00	-200.75	0.75	0.670
100			0.00	-0.24	0.24	0.670
101			500.00	499.95	0.05	0.670
102			950	950.03	-0.03	0.670
		°C	°C	°C	°C	°C
103	Thermocouple -20 to 1750°C	TC 'R'	0.00	-0.44	0.44	1.090
104			500.00	499.92	0.08	0.990
105			1000.00	999.90	0.10	0.990
106			1750	1749.70	0.30	0.990
		°C	°C	°C	°C	°C
107	Thermocouple -20 to 1750°C	TC 'S'	0.00	-0.56	0.56	1.090
108			500.00	499.57	0.43	1.090
109			1200.00	1199.77	0.23	1.090
110			1700	1699.81	0.19	1.090
		°C	°C	°C	°C	°C
111	Thermocouple 600 to 1800	TC 'B'	600.00	599.87	0.13	0.960
112			1200.00	1199.88	0.12	0.810
113			1500.00	1500.06	-0.06	0.810
114			1800	1800.07	-0.07	0.810

Issued by :
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No.40, 71st Cross, 5th Block, Rajaji Nagar, Bangalore - 560 010.
 Ph : 080-2315 5522, 2315 5577, 2315 5588, 99726 97733
 E-mail : infobl@perfectcallab.in / perfectblr@yahoo.in
 Website : www.perfectcallab.in



CC - 2247

NABL LAB FOR : MECHANICAL • THERMAL • ET • AIR / FLUID FLOW • FORCE • MASS • OPTICAL

CERTIFICATE OF CALIBRATION

ULR-CC224721000001805F
 ISSUE DATE : 25/01/2021

CERTIFICATE NO : PC-01-21/ATL/0194-02
 CAL DATE : : 23/01/2021
 DUE DATE : 22/01/2022
 PAGE NO. : 1/1

CUSTOMER : M/s. ACE MEDICAL SOLUTIONS INDIA PRIVATE LIMITED ;
 NO.3/751, 1st CROSS STREET, SURVEYOR COLONY,
 MADURAI - 625 007.
CUST REF : Letter dated : 23/01/2021
DEPT. : AT OUR LAB

DATE OF RECEIPT : 23/01/2021
 PHYSICAL CONDITION ON RECEIPT : SATISFACTORY

DETAILS OF DEVICE UNDER CALIBRATION

LUX METER			
MAKE	HTC	RANGE	0 to 2000 Lux
MODEL	LX-103	L.C	0.1x, x1, x10, x100 Lux
SL. NO.	T119527	TYPE	DIGITAL

ENVIRONMENTAL CONDITIONS:
 TEMPERATURE : 20.7° C
 HUMIDITY : 53 % RH

NO.	STANDARD USED	SL. NO.	CERT. NO.	VALIDITY
1	LUX METER	070518	PC-03-20/ATL/0031A-01	10/03/2021


CALIBRATION PROCEDURE : PCCPL/CAL/OP/001

CALIBRATION RESULTS:

SL.NO.	STD METER READING	UUC METER READING	OBSERVED DEVIATION	UNCERTAINTY MEASUREMENT(%)
1	100.3 lux	99.3 lux	-1.0 lux	6.5
2	500.7	498.1	-2.6	6.5
3	1000.9	998.2	-2.7	6.6
4	1501	1497	-4	6.6
5	2005	1993	-12	4.8

THE REPORTED UNCERTAINTY IS AT COVERAGE FACTOR k = 2, WHICH CORRESPONDS TO A CONFIDENCE LEVEL AT 95 %.

*** End Of Certificate ***


 N.PRABU
 Calibration Engineer & Prepared by




 G. KARTHICK
 QUALITY MANAGER
 AUTHORISED SIGNATORY

THIS REPORT RELATES ONLY TO THE ITEM(S) SUBMITTED. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN APPROVAL OF M/s. PERFECT CALIBRATION CENTRE PVT. LTD. ALL REFERENCE STANDARDS USED ARE TRACEABLE TO NATIONAL / INTERNATIONAL STANDARDS AS PER ISO / IEC 17025 - 2017 . THE RESULTS REPORTED ARE VALID AT THE TIME AND UNDER STATED CONDITIONS OF MEASUREMENTS. THE CALIBRATION INTERVAL IS TO BE DECIDED BY THE "USER"

QF/7.8/01
 BLR



Perfect Calibration Centre Pvt. Ltd.

No. 84, "Times Corner", Gengu Reddy Road, Egmore, Chennai - 600 008.
 Ph : (044) 28192530, 28192930, 28193130 www.perfectcallab.in
 Email : perfectcallab.info@gmail.com / info@perfectcallab.in



CC - 2207

NABL LAB FOR : MECHANICAL • THERMAL • ET • AIR / FLUID FLOW • FORCE • MASS • OPTICAL

CERTIFICATE OF CALIBRATION

ULR - CC220721000003303F

CERTIFICATE NO.: PC-01-21/ATL/0339-04

ISSUE DATE : 25/01/2021

CUS.NAME : M/s. ACE MEDICAL SOLUTIONS INDIA PRIVATE LIMITED ;

CALIBRATION DATE. : 23/01/2021

ADDRESS NO.3/751, 1st CROSS STREET, SURVEYOR COLONY,
MADURAI - 625 007.

RECOMMENDED DUE DATE. : 22/01/2022

PAGE NO. : 1/2

CUST REF : Letter dated : 23/01/2021

CALIBRATION : AT OUR LAB

DIGITAL MANOMETER

DUC DETAILS

MAKE : LUTRON

MODEL : PM-9100

SL.NO. : 625447

ID.NO : -

TYPE : DIGITAL

RANGE : 0 to 1500.123 mmhg

L.C : 1 mmhg

ACCURACY (±) : 2 % FSD

DATE OF RECEIPT : 23/01/2021

CONDITION ON RECEIPT : Visual Inspection Ok

TEMPERATURE : 22.3° C

HUMIDITY : 52%RH

STANDARDS USED FOR CALIBRATION

NOMENCLATURE	MAKE	ID.NO & SL.NO	RANGE & UNCERTAINTY	CERT. NO	VALIDITY
DIGITAL PRESSURE CALIBRATOR	DRUCK	61019062	-1 to 20 bar(g) & ± 0.0022 bar	CS/20/LB/MP/281-01	21/10/2021

All Master Equipments are Traceable to National / International standards

CALIBRATION PROCEDURE : PCCPL/WI/M/22

CALIBRATION SEQUENCE : C

REFERENCE STANDARD : DKD- R 6-1, IS 3624, EURAMET-cg-17.01

MEDIUM OF CALIBRATION : AIR

CALIBRATION RESULTS:

MECHANICAL CALIBRATION

METHOD OF CALIBRATION : COMPARISON & METHOD - I

Pressure Calibration input: P1

SL.NO.	DUC Reading	STD Reading in	mmhg	Mean value	Hysteresis	Observed Deviation	Error	Expanded Uncertainty (±)
	(P _{ind})	(P _{std})		\bar{P}	h	ΔP	FSD	U
	mmhg	M ₁ ↑	M ₂ ↓	mmhg	mmhg	mmhg	%	mmhg
1	75	74.9	74.9	74.90	0.00	0.10	0.007	-
2	150	149.9	149.8	149.85	-0.10	0.15	0.010	63.316
3	300	299.9	299.8	299.85	-0.10	0.15	0.010	63.316
4	600	599.8	599.7	599.75	-0.10	0.25	0.017	63.316
5	900	899.8	899.6	899.70	-0.20	0.30	0.020	63.316
6	1200	1199.7	1199.6	1199.65	-0.10	0.35	0.023	63.316
7	1500	1499.6	1499.5	1499.55	-0.10	0.45	0.030	63.316

V.S.
V.Srinivasan

Calibration Engineer & Prepared by



Calibrated / Checked by



J.C.
CHANDRASEKAR, S

DEPUTY TECHNICAL MANAGER

Authorised Signatory

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CHE



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CERTIFICATE OF CALIBRATION

ULR - CC220721000003303F

CERTIFICATE NO.: PC-01-21/ATL/0339-04

PAGE NO. : 2/2

RANGE : 0 to 1500.123 mm hg

L.C : 1 mm hg

ACCURACY (±) : 2 % FSD

Pressure Calibration input:P2

SL.NO.	DUC Reading	STD Reading in	mm hg	Mean value	Hysteresis	Observed Deviation	Error	Expanded Uncertainty (±)
	(P _{ind})	(P _{std})		\bar{P}	h	ΔP	FSD	U
	mm hg	M ₁ ↑	M ₂ ↓	mm hg	mm hg	mm hg	%	mm hg
1	0	0.0	0.0	0.00	0.00	0.00	0.000	0.577
2	-75	-74.9	-74.9	-74.90	0.00	149.90	9.993	0.577
3	-150	-149.8	-149.9	-149.85	-0.10	299.85	19.988	0.597
4	-300	-299.7	-299.8	-299.75	-0.10	599.75	39.980	0.597
5	-600	-599.6	-599.7	-599.65	-0.10	1199.65	79.970	0.597
6	-900	-899.5	-899.5	-899.50	0.00	1799.50	119.957	0.577
7	-1200	-1199.4	-1199.4	-1199.40	0.00	2399.40	159.947	0.577
8	-1500	-1499.4	-1499.3	-1499.35	0.10	2999.35	199.940	0.597

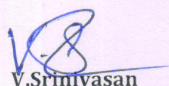
Differential Pressure Calibration input:P1&P2

SL.NO.	STD applied pressure in	mm hg	Differential pressure to be	DUC Reading (Differential pressure)	Observed Deviation	Error	Expanded Uncertainty (±)
	(P _{std})		(P _{ind})	(P _{ind})	ΔP	FSD	U
	P1	P2	mmhg	mm hg	0	%	mm hg
1	75.1	0.0	75.1	75	-0.10	-0.007	0.577
2	150.2	0.0	150.2	150	-0.20	-0.013	0.577
3	600.2	600.0	600.1	600	-0.10	-0.007	0.597
4	1200.3	1200.0	1200.1	1200	-0.10	-0.007	0.597
5	1500.1	0.0	1500.2	1500	-0.20	-0.013	0.597
6	0.0	0.0	0.0	0	0.00	0.000	0.577

Conclusion/Remarks:

- The Calibration Results are within the accuracy limit
- The Expanded Uncertainty is at coverage factor $k=2$, which corresponds to a confidence level at 95 %
- This Calibration certificate used for scientific and industrial purpose only. However, if used for commercial trading, additional recognition/ approval shall be complied as required by Dept. of Legal metrology, Regulatory bodies, etc.
- Calibration status : Accepted

End of the certificate


V.Srinivasan

Calibration Engineer & Prepared by



Calibrated / Checked by




CHANDRASEKAR. S

DEPUTY TECHNICAL MANAGER

Authorised Signatory

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CC - 2247

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ISSUE DATE : 25/01/2021

CUSTOMER : M/s. ACE MEDICAL SOLUTIONS INDIA PRIVATE LIMITED ;
 NO.3/751, 1st CROSS STREET, SURVEYOR COLONY,
 : MADURAI - 625 007.

CAL DATE : 23/01/2021
 DUE DATE : 22/01/2022
 PAGE NO. : '1/1

CUSTOMER REFERENCE : Letter dated : 23/01/2021

Calibrated At : AT OUR LAB

DATE OF RECEIPT : 23/01/2021

PHYSICAL CONDITION ON RECEIPT : SATISFACTORY

DETAILS OF DEVICE UNDER CALIBRATION

DIGITAL THERMO HYGROMETER

MAKE	BEETECH	MODEL	088 CTH-2
SL.NO		CAL.RANGE	10 to 45°C / 15 to 95 %RH
ID NO.	ACE/TH-01	L. C.	0.1°C / 1% RH

ENVIRONMENTAL CONDITIONS:

TEMPERATURE : 25.8°C

HUMIDITY : 56%RH

NO.	STANDARD USED	ID.NO./SL.NO.	CERT.NO	VALIDITY
1	TEMP.& HUMIDITY METER WITH SENSOR	2115 / 20126852	30030089	29/09/2021
2	SSPRT WITH INDICATOR	17C121046	PC-09-20/ATL/026-02	01/09/2021

The standards used are traceable to National / International Standards.

THERMAL CALIBRATION

Cal Procedure No: PCCPL/CAL/TH/001,009

COMPARISON METHOD

CALIBRATION RESULTS FOR TEMPERATURE @ 50% RH

SI No.	STD Reading(°C)	DUC Reading(°C)	Observed Deviation(°C)	Measurement Uncertainty (±) °C
1	9.91	10.1	0.19	0.14
2	19.70	19.9	0.20	0.14
3	29.78	30.1	0.32	0.14
4	39.78	40.2	0.42	0.14
5	44.80	45.3	0.50	0.14

CALIBRATION RESULTS FOR HUMIDITY @ 25°C

SI No.	STD Reading(%RH)	DUC Reading(%RH)	Observed Deviation %RH	Measurement Uncertainty (±)%RH
1	15.41	15	-0.41	0.75
2	34.71	34	-0.71	0.75
3	44.98	44	-0.98	0.75
4	65.13	64	-1.13	0.75
5	86.43	85	-1.43	0.75
6	96.71	95	-1.71	0.75

Conclusion Remarks :

1. The Reported Uncertainty is at coverage factor k=2, which corresponds to a confidence level at 95%.
2. Standard & DUC readings is an average of Five repeated readings.

*** End Of Certificate ***

N. PRABU
N. PRABU



G. KARTHICK
G. KARTHICK
QUALITY MANAGER
AUTHORISED SIGNATORY

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NABL LAB FOR : MECHANICAL • THERMAL • ET • AIR / FLUID FLOW • FORCE • MASS • OPTICAL

CERTIFICATE OF CALIBRATION

ULR - CC220721000003300F

CERTIFICATE NO.: PC-01-21/ATL/0339-01

ISSUE DATE : 25/01/2021

CUSTOMER : M/s. ACE MEDICAL SOLUTIONS INDIA PRIVATE LIMITED ;
 NO.3/751, 1st CROSS STREET, SURVEYOR COLONY,
 MADURAI - 625 007.

CAL DATE : 23/01/2021

DUE DATE : 22/01/2022

PAGE NO. : 1/3

CUST REF : Letter dated : 23/01/2021

CALIBRATION : AT LAB

ELECTRONIC BALANCE

DETAILS

MAKE : DIGITAL SCALE
 MODEL : SF 400C
 SL.NO : -
 ID.NO : ACE/WB-01
 RANGE : 0 to 600 g (min : 10 mg ; max : 600 g)
 L.C. : 0.01 g

ENVIRONMENTAL CONDITION

Temperature : 22.1°C
 Humidity : 52% RH
 Condition during calibration : Satisfactory

STANDARD USED	ID.NO	CERT. NO.	VALIDITY
MASTER WEIGHTS	PCCPL/WB-E1-02	WI/FEB/19/006	08/02/2022
MASTER WEIGHTS	PCCPL/SW/001 to 007	SICC/CC/2214/01/2018-2019	22/01/2022

REFERENCE STANDARD : O.I.M.L. RECOMMENDATION

CALIBRATION PROCEDURE : WI - M - 23

CALIBRATION RESULTS

I.MECHANICAL CALIBRATION

SL. NO.	ACTUAL VALUE	STD. WEIGHT READING in g	TEST BALANCE READING in g	OBSERVED DEVIATION in g	UNCERTAINTY (±) g
1	10 mg	0.0100017	0.01	0.00	0.006
2	20	0.0200008	0.02	0.00	0.006
3	50	0.0500009	0.05	0.00	0.006
4	100	0.0999991	0.10	0.00	0.006
5	200	0.2000024	0.20	0.00	0.006
6	500	0.5000049	0.50	0.00	0.006
7	1 g	1.0000054	1.00	0.00	0.006
8	2	2.0000054	2.00	0.00	0.006
9	5	5.000005	5.00	0.00	0.006
10	10	10.000010	10.00	0.00	0.006
11	20	20.00002	19.98	-0.02	0.006
12	50	50.00005	49.96	-0.04	0.006
13	100	100.00010	99.89	-0.11	0.006
14	200	200.00020	199.83	-0.17	0.006
15	300	300.00030	299.77	-0.23	0.006
16	400	400.00040	399.62	-0.38	0.006
17	500	500.00050	499.57	-0.43	0.006
18	600	600.00060	599.53	-0.47	0.006

V.Srinivasan

Calibration Engineer & Prepared by



CHANDRASEKAR. S

DEPUTY TECHNICAL MANAGER

Authorised Signatory

Calibrated / Checked by



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CC - 2207

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CERTIFICATE OF CALIBRATION

ULR - CC220721000003300F

CERTIFICATE NO.: PC-01-21/ATL/0339-01

CUSTOMER : M/s. ACE MEDICAL SOLUTIONS INDIA PRIVATE LIMITED ;
 NO.3/751, 1st CROSS STREET, SURVEYOR COLONY ,
 MADURAI - 625 007.

CAL DATE : 23/01/2021
 DUE DATE : 22/01/2022
 PAGE NO. : 2/3

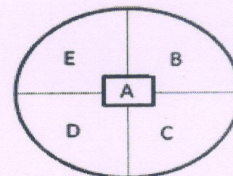
CUST REF : Letter dated : 23/01/2021

CALIBRATION : AT LAB

ELECTRONIC BALANCE

ECCENTRICITY TEST : CLOCK WISE DIRECTION

POSITION	APPLIED LOAD in g	STD. WEIGHT READING in g	TEST METER READING in g	CENTER TO CORNER DEVIATION in g
A	200	200.00020	199.83	0.00
B	200	200.00020	199.83	0.00
C	200	200.00020	199.83	0.00
D	200	200.00020	199.83	0.00
E	200	200.00020	199.83	0.00
A	200	200.00020	199.83	0.00



ECCENTRICITY TEST : ANTI CLOCK WISE DIRECTION

POSITION	APPLIED LOAD in g	STD. WEIGHT READING in g	TEST METER READING in g	CENTER TO CORNER DEVIATION in g
A	200	200.00020	199.83	0.00
E	200	200.00020	199.83	0.00
D	200	200.00020	199.83	0.00
C	200	200.00020	199.83	0.00
B	200	200.00020	199.83	0.00
A	200	200.00020	199.83	0.00

MAXIMUM ERROR BETWEEN CENTRE (A) AND OTHER POINTS = 0.00 g

REPEATABILITY TEST : HALF LOAD (50 %)

SL.NO.	APPLIED LOAD in g	STD. WEIGHT READING in g	TEST METER READING in g	DEVIATION in g
1	300	300.00030	299.77	-0.23
2	300	300.00030	299.77	-0.23
3	300	300.00030	299.77	-0.23
4	300	300.00030	299.77	-0.23
5	300	300.00030	299.77	-0.23
6	300	300.00030	299.77	-0.23
7	300	300.00030	299.77	-0.23
8	300	300.00030	299.77	-0.23
9	300	300.00030	299.77	-0.23
10	300	300.00030	299.77	-0.23

V.S. Srinivasan

Calibration Engineer & Prepared by



d. ch. Chandrasekar S

DEPUTY TECHNICAL MANAGER

Authorised Signatory

Calibrated / Checked by

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CERTIFICATE OF CALIBRATION

ULR - CC220721000003300F

CERTIFICATE NO.: PC-01-21/ATL/0339-01

CUSTOMER : M/s. ACE MEDICAL SOLUTIONS INDIA PRIVATE LIMITED ;
NO.3/751, 1st CROSS STREET, SURVEYOR COLONY,
MADURAI - 625 007.

CAL DATE : 23/01/2021

DUE DATE : 22/01/2022

PAGE NO. : 3/3

CUST REF : Letter dated : 23/01/2021

CALIBRATION : AT LAB

ELECTRONIC BALANCE

REPEATABILITY TEST : FULL LOAD (100 %)

SL.NO.	APPLIED LOAD in g	STD. WEIGHT READING in g	TEST METER READING in g	DEVIATION in g
1	600	600.00060	599.53	-0.47
2	600	600.00060	599.53	-0.47
3	600	600.00060	599.53	-0.47
4	600	600.00060	599.53	-0.47
5	600	600.00060	599.53	-0.47
6	600	600.00060	599.53	-0.47
7	600	600.00060	599.53	-0.47
8	600	600.00060	599.53	-0.47
9	600	600.00060	599.53	-0.47
10	600	600.00060	599.53	-0.47

CONCLUSION/ REMARKS :

1.THE REPORTED UNCERTAINTY AT COVERAGE FACTOR $k = 2$, WHICH CORRESPONDS TO A CONFIDENCE LEVEL AT 95%.

NOTE : THIS CALIBRATION CERTIFICATE IS VALID FOR SCIENTIFIC & INDUSTRIAL PURPOSE ONLY.

HOWEVER, IF USED FOR COMMERCIAL TRADING, ADDITIONAL RECOGNITION / APPROVAL SHALL BE COMPLIED AS REQUIRED BY DEPT. OF LEGAL METROLOGY, REGULATORY BODIES, ETC.

End Of Certificate


V.Srinivasan

Calibration Engineer & Prepared by




CHANDRASEKAR. S

DEPUTY TECHNICAL MANAGER

Authorised Signatory

Calibrated / Checked by

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CC - 2207

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CERTIFICATE OF CALIBRATION

ULR - CC220721000003302F

CERTIFICATE NO.: PC-01-21/ATL/0339-03

ISSUE DATE : 25/01/2021

CUSTOMER : M/s. ACE MEDICAL SOLUTIONS INDIA PRIVATE LIMITED ;
NO.3/751, 1st CROSS STREET, SURVEYOR COLONY,
MADURAI - 625 007.

CAL DATE : 23/01/2021

DUE DATE : 22/01/2022

PAGE NO. : 1/1

CUST REF : Letter dated : 23/01/2021

CALIBRATION : AT LAB

LIQUID IN GLASS THERMOMETER

DATE OF RECEIPT : 23/01/2021

CONDITION ON RECEIPT : SATISFACTORY

ENVIRONMENTAL CONDITION

Temperature : 22.1°C

Humidity : 51%

DETAILS

MAKE : DELUX

ID.NO : ACE/GT-01

LIQUID FILLED : MERCURY

IMMERSION LENGTH : 76 mm

RANGE : 0 to 220 °C

CAL.RANGE : 0 to 120 °C

LC : 2 ml

Description	Sl.No / Id No	Certificate No	Validity
SPRT with indicator	3420002	PC-12-20/ATL/1801-01	25/12/2021
All Master Equipments are Traceable to National / International standards			

Reference Standard : IS 2480:1983(PART II) & IS 6274-1971 & OIML R 133

Method Used for Calibration : WI-TH-GTM-02(L) Calibration Method : Comparison

CALIBRATION RESULTS: I.THERMAL CALIBRATION

SL.NO	TEST METER READING in °C	STANDARD METER READING in °C	OBSERVED DEVIATION in °C	EXPANDED UNCERTAINTY in (±)°C
1	0	0.09	-0.09	0.63
2	20	19.98	0.02	0.63
3	40	39.95	0.05	0.63
4	60	59.94	0.06	0.63
5	80	79.90	0.10	0.63
6	100	99.87	0.13	0.63
7	120	119.84	0.16	0.63

Conclusion/Remarks:

- The Expanded Uncertainty is at coverage factor $k=2$, which corresponds to a confidence level at 95 %
- This Calibration certificate used for scientific and industrial purpose only. However, if used for commercial trading, additional recognition/ approval shall be complied as required by Dept. of Legal metrology, Regulatory bodies, etc.

V.SRINIVASAN

CALIBRATION ENGINEER & PREPARED BY

End Of Certificate



CHANDRASEKAR. S

DEPUTY TECHNICAL MANAGER

Authorised Signatory

Calibrated / Checked by

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Kancheepuram District - 602 105. Ph : (044) 6712 3632
E-mail : infosri@perfectcallab.in Web : www.perfectcallab.in



CC - 2414

NABL LAB FOR : MECHANICAL • THERMAL • ET • AIR / FLUID FLOW • FORCE • MASS • OPTICAL

CERTIFICATE OF CALIBRATION

ULR - CC241421000000704F

ISSUE DATE : 23/01/2021

Customer Name & Address :	M/s. ACE MEDICAL SOLUTIONS INDIA PRIVATE LIMITED ; NO.3/751, 1st CROSS STREET, SURVEYOR COLONY , MADURAI - 625 007.
CUSTOMER REF. :	Letter dated : 23/01/2021
SRF NO / DATE :	0089 DATE:23/01/2021
CERT. NO. :	PC-01-21/ATL/0089-01
CAL AT :	AT LAB

Details of device under calibration (DUC):

Nomenclature : STOP WATCH	Cal Procedure No: PCCPL/CAL/ET/029
Make : - NIVIA	No.of Pages: 1 OF 2
Range : 0 to 1 hr	Cal Date : 23/01/2021
L.C : 1 sec, 1/100 sec	Due Date : 22/01/2022
ID No. : TMR-01	Condition On Receipt : SATISFACTORY
LOC : -	MODEL : JS-307
Environmental Conditions:- Temperature : 21.9° C Humidity : 51 % RH	

Standards used for calibration

Sl. No	NOMENCLATURE	MAKE / MODEL	SL. NO.	CERT. NO.	TRACEABILITY	VALIDITY
1	TIME TOTALIZER	BELTRONICS/501	296	20/112-01	WAVECAL TECHNOLOGIES	23/10/2021

K.N. Balakrishnan
Calibration Engineer & Prepared by



Calibrated / Checked by



V. KULASEKAR

TECHNICAL MANAGER

Authorised Signatory

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SPB



ULR - CC241421000000704F

CERT. NO.

PC-01-21/ATL/0089-01

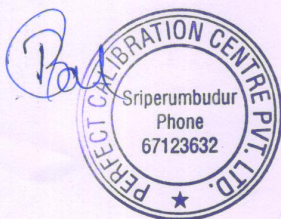
Page No: 2 of 2

Calibration result

Sl No	Standard Instrument Reading				Device Under Calibration				Observed Deviation		Measurement Uncertainty (\pm)
	hr	min	sec	1/100 sec	hr	min	sec	1/100 sec	sec	msec	%
1	00	00	01	05	00	00	01	-	01	05	0.22
2	00	00	05	06	00	00	05	-	05	06	0.10
3	00	00	10	09	00	00	10	-	10	09	0.10
4	00	00	30	12	00	00	30	-	30	12	0.10
5	00	01	00	10	00	01	00	-	00	10	0.10
6	00	05	00	17	00	05	00	-	00	17	0.10
7	00	10	00	24	00	10	00	-	00	24	0.10
8	00	15	00	36	00	15	00	-	00	36	0.10
9	00	30	00	39	00	30	00	-	00	39	0.10
10	00	45	00	51	00	45	00	-	00	51	0.10
11	01	00	00	66	01	00	00	-	00	66	0.10

Conclusion Remarks :

- 1 Measurement Uncertainty reported is at 95% confidence level with $k = 2$





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CERTIFICATE OF CALIBRATION

ULR - CC220721000003301F

CERTIFICATE NO.: PC-01-21/ATL/0339-02

ISSUE DATE : 25/01/2021

CUSTOMER : M/s. ACE MEDICAL SOLUTIONS INDIA PRIVATE LIMITED ;
NO.3/751, 1st CROSS STREET, SURVEYOR COLONY,
MADURAI - 625 007.

CAL DATE : 23/01/2021

DUE DATE : 22/01/2022

PAGE NO. : 1/1

CUST REF : Letter dated : 23/01/2021

CALIBRATION : AT LAB

TACHOMETER (NON CONTACT TYPE)

DATE OF RECEIPT : 23/01/2021

TEMPERATURE : 20.2°C

PHYSICAL CONDITION : SATISFACTORY

HUMIDITY : 59% RH

INSTRUMENT DETAILS

MAKE : MEXTECH

MODEL : DT-2234C

CAL.RANGE : 0 - 2000 rpm

SL.NO : L161377

L.C. : 0.1 rpm

ID.NO : -

STANDARD USED	SL.NO.	CERT. NO.	VALIDITY
TACHOMETER CALIBRATOR	185-0024V	PC-12-20/ATL/1802-08	25/12/2021

CALIBRATION PROCEDURE : WI - M - 39

MECHANICAL CALIBRATION

CALIBRATION RESULTS : (ALL VALUES IN rpm)

SL.NO	ACTUAL VALUE	MEASURED VALUE	OBSERVED ERROR
1	100.1	99.7	-0.4
2	500.5	499.9	-0.6
3	1000.2	999.6	-0.6
4	3000.4	2999.2	-1.2
5	5000.8	4999.8	-1.0
6	8001.6	7998.9	-2.7
7	12001.5	11998.7	-2.8
8	15002.4	14998.8	-3.6
9	20003.2	19999	-4.3

UNCERTAINTY OF MEASUREMENT ± 1.4 rpm

THE EXPANDED UNCERTAINTY AT A COVERAGE FACTOR $k = 2$, WHICH CORRESPONDS TO A CONFIDENCE LEVEL AT 95%

*** End of the certificate ***

V.Srinivasan

Calibration Engineer & Prepared by



CHANDRASEKAR. S

DEPUTY TECHNICAL MANAGER

Authorised Signatory

Calibrated / Checked by



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Coimbatore - 641 012. Ph: 0422-2522440 / 4216440
E-mail : infokovai@perfectcallab.in / perfectkovai@gmail.com
Web : www.perfectcallab.in



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CERTIFICATE OF CALIBRATION

ULR - CC24472100000634F

ISSUE DATE : 25/01/2021

Certificate No. : PC-01-21/ATL/0107-01

Customer Name : M/s. ACE MEDICAL SOLUTIONS INDIA PRIVATE LIMITED ;
NO.3/751, 1st CROSS STREET, SURVEYOR COLONY, Date of Calibration : 23/01/2021
MADURAI - 625 007. Recommended due date : 22/01/2022
Customer Reference : Letter dated : 23/01/2021 Page No : 1 of 1
Calibrated At : At Lab

Device Under Calibration of Item (DUC) : Thermometer With Sensor

Date of Receipt : 23/01/2021 **Environmental Condition**
Condition of Receipt : Good Condition Temperature : 24.5°C
Description of Item : Humidity : 52 % RH
Make : CENTRE
Model : 375
Sl.No : 140811115
Cal.Range : 0 to 250 °C
Least count : 0.01 °C

Details of Traceability - Master Equipments /Standard Used for Calibration :

Description	Sl.No	Id.No	Certificate No.	Validity
RTD with Indicator	WEM - 41002 - 000 & 000142	PCCPL/ET/PC.03 & PCCPL/TH/RTD-02	PC - 01 - 21 - ATL - 0035 - 01	08/01/2022
All Master Equipments are Traceable to National / International standards				

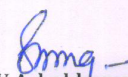
Method Used for Calibration : Comparison Method as per WI - TH - TM - 01- , Reference Standard - DKD - R5 - 7 & ITS - 90 & NABL 129

Calibration Results : Thermal Calibration

Sl.No	DUC reading (°C)	Standard Sensor reading (°C)	Observed deviation (°C)	Uncertainty (±) °C
1	0.13	0.09	0.04	0.12
2	50.15	49.96	0.19	0.12
3	99.96	99.92	0.04	0.12
4	149.93	149.85	0.08	0.12
5	199.91	199.83	0.08	0.13
6	249.89	249.82	0.07	0.13

Reporting Statements of Conformity :

1.The Reported Uncertainty is at coverage factor $k=2$, which corresponds to a confidence level at 95 %


V.Ashokkumar
Calibration Engineer & Prepared by

*** End Of Certificate ***




D.Aravinthan
Technical Manager

Calibrated / Checked by



Authorised Signatory

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QF/7.8/01
CBE

PUENO : 1173020
27/3/19

6.4.21

குழந்தை தொழிலாளர்களை பணியில்
அமர்த்துவது சட்டப்படி குற்றமாகும்

GOVERNMENT OF TAMIL NADU
CERTIFICATE OF VERIFICATION
SCHEDULE-VIII [See Rule 15 (3)]
Legal Metrology Act 2009

TR. NO:

Stamping at Office / Site

Date: 8.8.19

Office of the Inspector of Legal Metrology / Assistant Controller of Legal Metrology

Name of the Legal Metrology Officer

திருமதி. மு. கலாசெழை
சட்டமுறை எடையளவு ஆய்வாளர்
முதல் சரகம், மதுரை

TN 557
PLIER No. 9A

No. ORIGINAL
2008863

I hereby certify that I have this day verified and stamped / rejected the under mentioned Weights, Measures etc., belonging to K. சரகம், ACE அளவுகோல் தொழிலாளர், 30/75/1, மதுரை.

Locality: சி.வேலாயுதப்பாளையம், க.புத்தூர், மதுரை - 7

Quantity	DENOMINATION		WEIGHING INSTRUMENT				Measuring Instruments.	Verification Fee	Carriage Conveyance Adjusting Charges, etc.
	Weights	Measures	Capacity	Class	Manufacturer	Type			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)

9. அளவுகோல் : 500g, 200g, 100g, 50g, 20g } 250
10g, 5g, 2g, 1g } 250
OD } 540

Total Rs. 540/- deposited Vide CASH Receipt No. 2503964

Dated 8.8.19

Repaired / Used by

Signature: [Signature]

Legal Metrology Officer

Next verification due on 8.8.2021

Note:—In the case of rejected weights, measures, etc., the Legal Metrology Officer shall give separate Certificate of rejection mentioning the reason of rejection against each item.
சட்டமுறை எடையளவு ஆய்வாளர்
முதல் சரகம், மதுரை



PSG COLLEGE OF TECHNOLOGY

PSG Center for Industrial Research & Development
Calibration and Testing Center

New Admin Block, PSGCT Campus, Peelamedu, Coimbatore-641004

Email: ask.ird@psgtech.ac.in Ph : 422 4344762, 4344223



Certificate No.	PSG	CIRD	BMCC	5507	/2021	19-01-2021
CALIBRATION/TESTING CERTIFICATE FOR			ELECTRICAL SAFETY ANALYSER			
Client name and address		ACE Medical Solutions(INDIA) Pvt Ltd		MADURAI		
Calibration Date	19-01-2021		Calibration due_on	18-01-2022		
Procedure Number	PSGCIRDDPC		Location	PSGCIRD		
Department			LABORATORY			
DESCRIPTION OF UNIT UNDER TEST						
UUC		Make		Model		
Electrical Saftey analyser		Rigel		SafeTest 60		
SI No	41 H 0958		ID	ACEEST		
STANDARDS/CALIBRATION/TESTING EQUIPMENTS USED						
Nomenclature		Make		Model		
Documenting Process Calibrator		Fluke		754		
SL NO		Traceability Certificate No				
3989014		MSIR/410720/07-008 valid till 05-JUL-2021				
Nomenclature		Make		Model		
DIGITAL MULTIMETER		Fluke		DMM 289		
SL NO		Traceability Certificate No				
37660134		MSIR/410720/07-007 Valid till 05-JUL-2021				
ENVIRONMENTAL CONDITION AT THE TIME OF CALIBRATION/TESTING						
Temperature(°C)		Relative Humidity(%)		Calibrating/testing Technician		
22		55		AKSAYA LAKSHMI N		

Note

- * The measurements made in support of this certificate are traceable to national or international standards.
 - * This certificate should not be reproduced except in full without our prior permission in writing.
 - * Results reported are valid at the time of and under the stated conditions of measurement.
 - * UUC-Unit Under Calibration.
 - * The Calibration certificate relates only to the above mentioned calibrated item and annexed test results.
- Measurement uncertainly reported is at approximately 95% confidence level with k=2.

TESTED BY

N. Aksaya



APPROVED BY
A SAMPATH KUMAR
Energy Auditor & Consultant
Centre for Industrial Research and Development
PSG College of Technology
Coimbatore - 641004



PSG COLLEGE OF TECHNOLOGY
PSG Centre for Industrial Research & Development
Calibration and Test Centre

A115, PSGCT Campus, Peelamedu, Coimbatore-641004
Email: ask.ird@psgtech.ac.in Ph: 0422 4344762, 4344223



TEST RESULTS

CLIENT NAME M/S ACE MEDICAL SYSTEMS
EQUIPMENT NAME ELECTRICAL SAFETY ANALYZER
MODEL SAFETEST 60
SERIAL NUMBER 41 H 0958
CERTIFICATE NO PSG/CIRD/5507/2021

LAB TEST RESULTS 19-01-2021 12:45 HRS

STD READING-UUC READING-ERROR OBSERVED-STATUS

AC VOLTAGE / 0-300 V at 50 Hz

A	30.000	29.9	-0.1	PASS
B	150.000	149.9	-0.1	PASS
C	270.000	269.9	-0.1	PASS

RESISTANCE/0 to 2 ohms

D	0.2000	0.200	0.000	PASS
E	1.0000	1.002	0.002	PASS
F	1.8000	1.803	0.003	PASS

AC CURRENT/ 200 to 1999 microA at 50Hz

G	500	499	-1	PASS
H	1000	999	-1	PASS
I	1800	1798	-2	PASS

AC CURRENT/ 2 to 10 mA at 50Hz

J	2.0000	2.00	0.00	PASS
K	5.0000	4.99	-0.01	PASS
L	7.0000	6.99	-0.01	PASS

DC CURRENT/ 200 to 1999 microA

M	500.00	500	0	PASS
N	1000.0	999	-1	PASS
O	1800.0	1798	-2	PASS





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DC CURRENT/ 2 to 10 mA

P	2.0000	2.01	0.01	PASS
Q	5.0000	5.01	0.01	PASS
R	7.0000	7.01	0.01	PASS

EQUIPMENT CURRENT AC CURRENT/ A at 50Hz

S	1.9978	1.9	-0.1	PASS
T	2.9965	2.9	-0.1	PASS
U	3.9925	3.9	-0.1	PASS

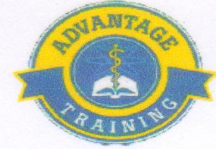




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Certificate No.	PSG	CIRD	BMCC	5508	/2021	19-01-2021
CALIBRATION/TESTING CERTIFICATE FOR			SPOT LIGHT			
Client name and address	ACE Medical Solutions(INDIA) Pvt Ltd			MADURAI		
Calibration Date	19-01-2021		Calibration due_on	18-01-2022		
Procedure Number	PSGCIRDSIM4		Location	PSGCIRD		
Department			LABORATORY			
DESCRIPTION OF UNIT UNDER TEST						
UUC		Make		Model		
SPO2 Simulator		CONTEC		MS100		
SI No	18010200008		ID	-		
STANDARDS/CALIBRATION/TESTING EQUIPMENTS USED						
Nomenclature		Make		Model		
PULSE OXIMETER ANALYZER		FLUKE		PROSIM SPOTLIGHT		
SL NO		Traceability Certificate No				
3597030		FLUKE CALIBRATION VALID TILL 30-JUN-2021				
Nomenclature		Make		Model		
Documenting Process Calibrator		Fluke		754		
SL NO		Traceability Certificate No				
3989014		MSIR/410720/07-008 valid till 05-JUL-2021				
ENVIRONMENTAL CONDITION AT THE TIME OF CALIBRATION/TESTING						
Temperature(°C)		Relative Humidity(%)		Calibrating/testing Technician		
22		55		AKSAYA LAKSHMI N		

Note

- * The measurements made in support of this certificate are traceable to national or international standards.
 - * This certificate should not be reproduced except in full without our prior permission in writing.
 - * Results reported are valid at the time of and under the stated conditions of measurement.
 - * UUC-Unit Under Calibration.
 - * The Calibration certificate relates only to the above mentioned calibrated item and annexed test results.
- Measurement uncertainty reported is at approximately 95% confidence level with k=2.

TESTED BY

N. Aksaya



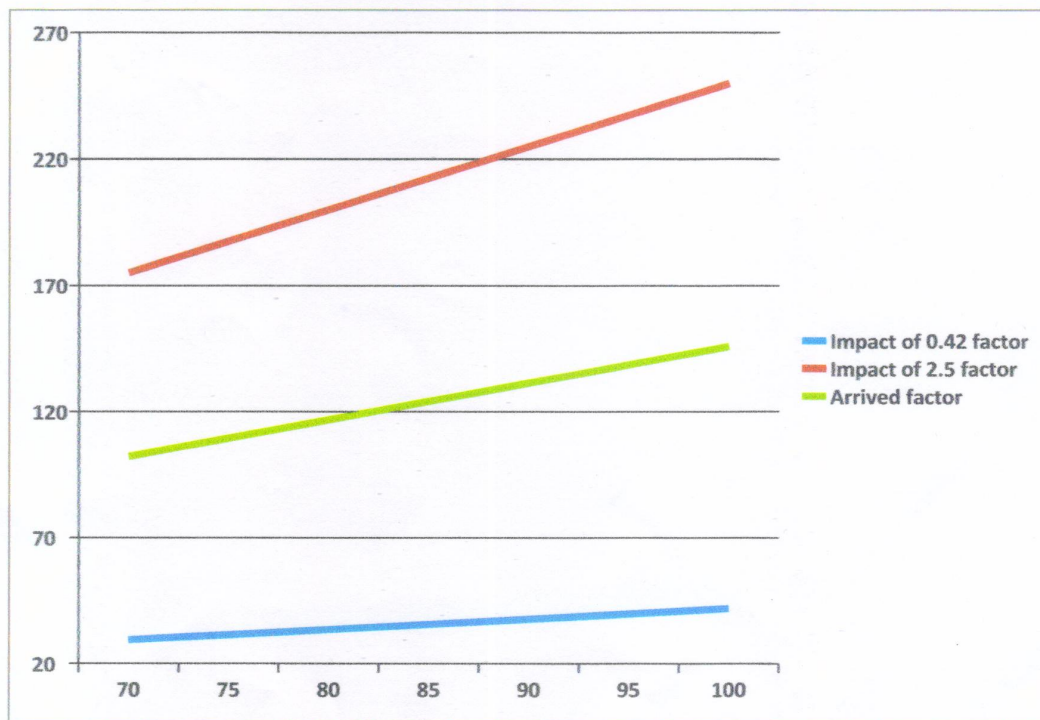
APPROVED BY
A. SAMPATH KUMAR
Energy Auditor & Consultant
Centre for Industrial Research and Development
PSG College of Technology
Coimbatore - 641004.



TEST RESULTS

CLIENT NAME	M/S ACE Medical Solutions (INDIA) Pvt.Ltd
EQUIPMENT NAME	SPO₂ SIMULATOR
MODEL	MS100
SERIAL NO	18010200008
ANNEXURE to CERTIFICATE NO	5508

Factor measurement

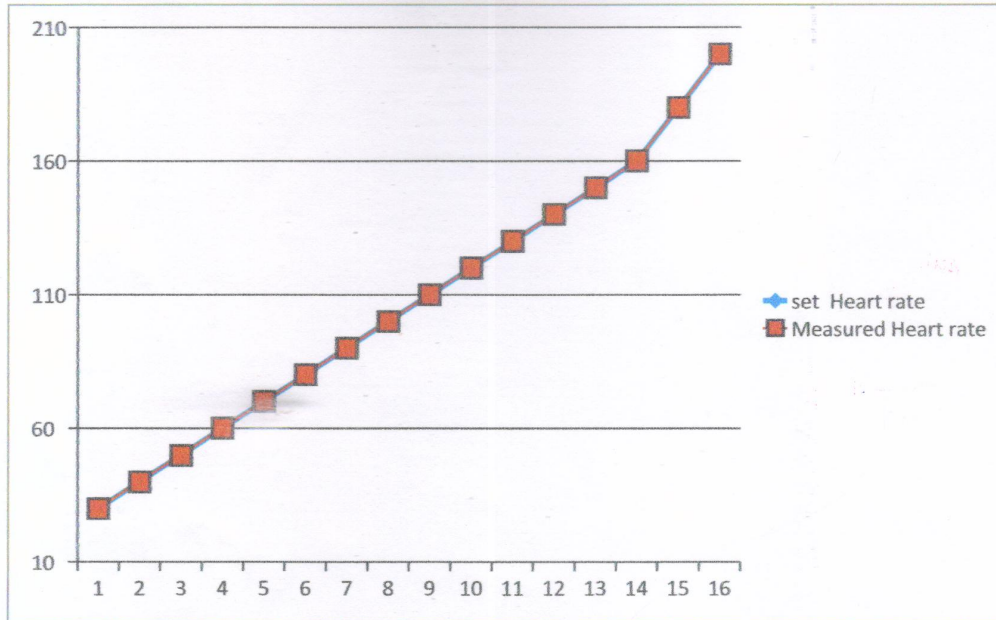




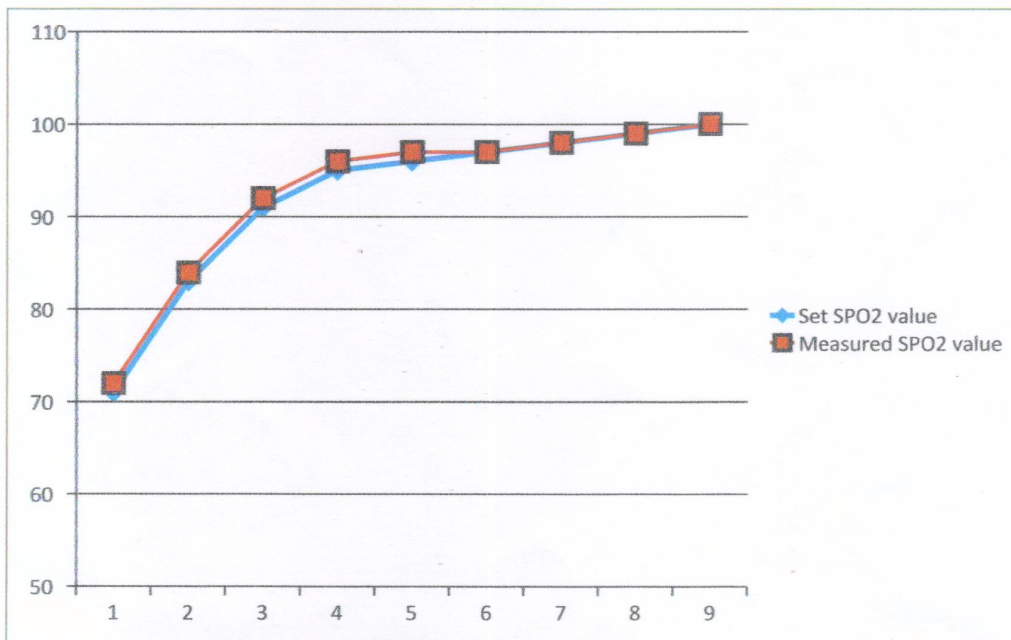
Certificate No: PSG/CIRD/BMCC/5508/2021

SL. No: 18010200008

HEART RATE MEASUREMENT



SPO₂ MEASUREMENT

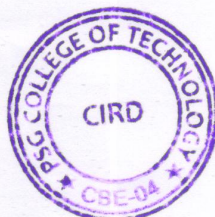




Certificate No: PSG/CIRD/BMCC/5508/2021

SL. No: 18010200008

Set Value in % Blood O ₂ Level	Angle shift in stepper motor (in °)	Physical Measurement at standard Monitor
71	+5.5	71
72	+5.5	72
73	+5.5	73
74	+5.5	74
75	+5.49	76
76	+5.5	76
78	+5.5	78
79	+5.5	79
80	+5.51	80
81	+5.5	81
82	+5.5	81
83	+5.5	83
84	+5.49	84
85	+5.5	85
86	+5.5	86
87	+5.5	88
88	+5.48	88
89	+5.5	89
90	+5.5	90
91	+5.5	91
92	+5.51	92
93	+5.5	92
94	+5.5	94
95	+5.5	95
96	+5.49	96
97	+5.5	97
98	+5.5	98
99	+5.5	99
100	+5.49	100



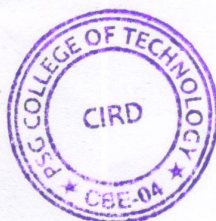


Certificate No: PSG/CIRD/BMCC/5508/2021

SL. No: 18010200008

Set SPO2 value (in %)	Measured SPO2 value (in %)
71	70
83	82
91	90
95	94
96	95
97	97
98	98
99	99
100	100

Set Heart Rate (in bpm)	Measured Heart Rate (in bpm)
30	30
40	40
50	50
60	60
70	70
80	80
90	90
100	100
110	110
120	120
130	130
140	140
150	150
160	160
180	180
200	200



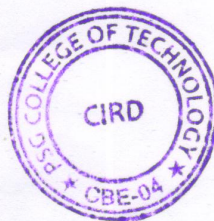


ATML Test Result report

Test Station	PSG BME Setup
UUT Serial Number	18010200008
UUT Type	SPOT Light
Start Date and Time	19/1/2021 11.15.12 AM
End Date and Time	19/1/2021 11.45.48 AM
Operator	CIRDC6246
Sequence File Path	E:\simulator\SPOTLIGHT\report
Outcome	PASS

Begin Sequence: Main Sequence

Step	Status	Measurement	Limits		
			Low Limit	High Limit	Comparison Type
SkyNet_Stop On Failure	False				
SkyNet_Test PC Name	PSG BME Setup				
SkyNet_Client File Version	2.0.1.0				
SkyNet_Process Model Version	5.0.10.77				
SkyNet_Manufacturer	Biomedical				
SkyNet_Test Type	Final				
Load Test Limits	Done				
Test Results/Data					
Num Properties Read:	12				
Num Properties Applied:	12				
Define Manufacturer in Report	Done				
Define Test Type in Report	Done				
Test Details	Done				
Test Results/Data					
Report Text:	Test Name: SPOT Light Operator ID: CIRDC6246 Test Software Version: 2.0.1.0				
Call Power Up Test	Passed				

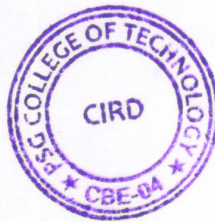


ATML Test Result report

Test Station PSG BME Setup
UUT Serial Number 18010200008
UUT Type SPOT Light
Start Date and Time 19/1/2021 11.15.12 AM
End Date and Time 19/1/2021 11.45.48 AM
Operator CIRDC6246
Sequence File Path F:\Simulator\SPOTLIGHT\report
Outcome PASS

Begin Sequence: Main Sequence

Step	Status	Measurement	Limits		Comparison Type
			Low Limit	High Limit	
SkyNet_Stop On Failure	False				
SkyNet_Test PC Name		PSG BME Setup			
SkyNet_Client File Version		2.0.1.0			
SkyNet_Process Model Version		5.0.10.77			
SkyNet_Manufacturer		Biomedical			
SkyNet_Test Type		Final			
Load Test Limits		Done			
Test Results/Data					
Num Properties Read:	12				
Num Properties Applied:	12				
Define Manufacturer in Report	Done				
Define Test Type in Report	Done				
Test Details	Done				
Test Results/Data					
Report Text:	Test Name: SPOT Light Operator ID: CIRDC6246 Test Software Version: 2.0.1.0				
Call Power Up Test	Passed				



FLUKE.**Biomedical****CERTIFICATE OF CALIBRATION AND PERFORMANCE**

Fluke Biomedical certifies that the below listed instrument meets or exceeds all current manufacturer's specifications. It has been calibrated using standards with accuracy guidelines traceable to the international System of units (SI) through a National Measurement Institute (NMI) such as the U.S. National Institute of Standards & Technology (NIST). Devices for which there are no SI traceable calibration standards are measured against in-house performance standards using accepted test procedures.

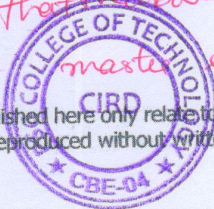
Model number: ProSim 4 Serial Number: 4117003
 Temperature: 23 deg C Relative Humidity: 40 % RH
 Technician Number: 30230 Date of Test: June 31, 2020
 Procedure Name: PS4_Final_Tests.seq

TEST EQUIPMENT USED

MANUF	MODEL	SERIAL	PREVCAL	NEXTCAL
Fluke	8846A	1449001	01/03/20	01/03/21
Fluke	5520A	6990002	01/06/20	10/06/21
Heise	DXD	6466	08/28/20	08/28/21
Heise	DXD	6358	03/21/20	03/21/21

This is to certify that the above equipment is used for calibration of master equipments for ACE medical system

Test results published here only relate to the items tested.
 This report shall not be reproduced without written approval by Fluke Biomedical



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Fluke Biomedical
 A Division of Fluke Electronics Corporation
 6920 Seaway Blvd.
 Everett, WA 98203
 Phone: 888-993-5853