

Form B03

Scheduled Maintenance Work Order



Quantum Medical Solutions sdn bhd
transcending boundaries, transforming life

Format Ref: - QMS/TSD-022 Rev.01

Work Order No.	PWO365105	Schedule Month	June 2018
Work Order Date	01/06/2018	Completed Date	25.6.18
Clinic Name	Klinik Pergigian Sekolah Menengah Le	Clinic Code	JHR556
BE No.	JHR003108	Distict	LEDANG
BE Category	Sterilizing Units, Portable	WO Assigned to	ZAIDIE
Ownership	<input checked="" type="checkbox"/> Existing Equipment	<input type="checkbox"/> Purchase	<input type="checkbox"/> New
BE Condition	<input checked="" type="checkbox"/> Active	<input type="checkbox"/> BER Proposed	
Work Order Type	<input checked="" type="checkbox"/> Preventive Maintenance (PM)	<input type="checkbox"/> Third Party Calibration (TPC)	
	<input type="checkbox"/> Routine Inspection (RI)	<input type="checkbox"/> Statutory Certification (SC)	

Reschedule Date	
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IE Third Party Calibration / Statutory Certification Details

Company Name	-	Cal / Cert Date	-
Contact Number	-	Cal / Cert Expiry Date	-

Action Taken

☒ PM / RI job done as per checklist. Unit tested functioning good & ready to use.

Manufacturer: Scican

☒ Corrective Maintenance / ☐ Breakdown

Modal: Statim 2000E

BE Sticker Availability: ☒ Yes / ☐ NA

Serial No: 1108960035

Remarks:

Schedule Maintenance Execution Details

SI No	QMS Engineer / Technician Name	Date	Start Time	End Time
1	ZAIDIE	25.6.18	9.30	10.30

Customer Remarks

Engineer / Technician Signature	Customer Signature
Name	Name
Date	Designation
	Date
	Seal

MUHD ZAIDIE BIN HALIL
Technical Service Department
Quantum Medical Solutions Sdn Bhd

DR SITI SARINA ALI
PEGAWAI PERGIGIAN
MDC 3928

For Internal Use

First Verification

QMS Circle Incharge

MUHD SHAFFUDIN BIN SININ
Biomedical Engineering
Quantum Medical Solutions
HP: 012-3967638

Final Verification

QMS State Incharge



KEMENTERIAN KESIHATAN MALAYSIA

MEET Planned Preventive Maintenance Checklist
Sterilizing units, Portable
BE CODE : DE-031

CHECKLIST NO: CL-147-000
REV.001

PART 1 ASSET DETAILS

WORK ORDER NO ▶ PWD365105 ASSET NO ▶ JHR003108
MANUFACTURER ▶ Scican MODEL ▶ Station 2000E
FREQUENCY ▶ 3 MONTHLY () 6 MONTHLY (/) 12 MONTHLY () PPM HOURS ▶ 1 HOUR

PART 2 SPECIAL PRECAUTION

If there is evidence of body fluid contamination, submit the device for cleaning and decontamination before inspecting it.
Wear appropriate Personnel Protection Equipment (PPE) during work.
Wear grounded electrostatic wristband when handling PCB or electronic components.
Refer to the safety procedure for additional precautions and guidance as per manufacturer guidelines.
Make sure the test equipment used are duly calibrated.

PART 3 TEST APPARATUS

Tick (✓) where appropriate

NO	ASSET NO	DESCRIPTION	SERIAL NO	CALIBRATION DUE ON
1	TEESA 0025	DIGITAL TEMPERATURE PROBE	29520201WS	26/12/18
2	TEESA 0335	DIGITAL PRESSURE METER	H. 315545	8/11/18

PART 4 QUALITATIVE TASKS

Tick (✓) where appropriate

	PASS	FAIL	NA		PASS	FAIL	NA
1 Chassis - verify physical integrity, cleanliness and condition	(✓)	()	()	9 Over pressure cut of valve - Verify physical integrity	(✓)	()	()
2 Power Cord - verify proper insulation and integrity	(✓)	()	()	10 Door lock - Verify physical integrity	(✓)	()	()
3 Strain Relief - verify physical integrity at both ends of line cord	(✓)	()	()	11 Door gasket Verify physical integrity	()	()	(✓)
4 Fittings/ Connectors - check all fittings/connectors	(✓)	()	()	12 Check water tank leak	(✓)	()	()
5 Controls/Switches - verify proper operation of controls	(✓)	()	()	13 Check drain valve -Physical integrity	(✓)	()	()
6 Indicators/ Displays - verify proper illumination and operation	(✓)	()	()	14 Check label	(✓)	()	()
7 Check fuse, circuit breaker	(✓)	()	()	15 Waste Water Reservoir/Bottle - clean & verify integrity	(✓)	()	()
8 Heater - verify physical Integrity	(✓)	()	()				
9 Chamber/Cassette - verify physical integrity (scaling, rusting, pitting or	(✓)	()	()				

PART 5 PREVENTIVE MAINTENANCE TASKS

Tick (✓) where appropriate

	DONE	NOT DONE **	NA		DONE	NOT DONE **	NA
1 Clean exterior and interior of the equipment	(✓)	()	()	4 Lubricate all moving parts	()	()	(✓)
2 Check / replace gasket ***	(✓)	()	()	Notes:			
3 Check / clean solenoids	(✓)	()	()	* For all Parts, NA is defined as NOT APPLICABLE			

** If you have ticked 'NOT DONE', then justify in Part 8
*** Choose Whichever Applicable



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WORK ORDER NO ▶ ph 0365105

PART 8 QUANTITATIVE TASKS

Tick (✓) where appropriate

No	Description	Units / UOM	Set Values	Measured Values	Limit/Tolerance	PASS	FAIL	NA
1	Temperature reading	°C	134	134.6	134-137 121-124	(✓)	()	()
2	Pressure reading - non absolute pressure reading	bar	2.0	2.26	2.03-2.32 1.04-1.24	(✓)	()	()
3	Electrical Supply Voltage	V		refer to EST	Refer to Nameplate	(✓)	()	()
4	Electrical Power/Consumption	kW		refer to EST	Refer to Nameplate	(✓)	()	()

PART 9 ELECTRICAL SAFETY TEST

ELECTRICAL SAFETY TEST, (attach report)

(In accordance to IEC 60601)



PASS



FAIL



NA

PART 10 NOTES

NA



CORRECTIVE MAINTENANCE REQUIRED



FUNCTIONING



NOT FUNCTIONING

WORK ORDER NO ▶ _____

NEXT PPM DATE ▶ 12, 2019

PPM has been performed in accordance to the checklist and the equipment is functioning to the intended purpose.

COMPLETED BY:

WITNESSED BY:

DATE :

DATE :

Date :25/6/2018

Test Setup

Operator ID :
Calibration Tech : NADIA
Calibration Date : 25/8/2018
Firmware Version : 2.08.01
Serial Number : 3246911
Date & Time : 25/06/2018 & 9:30 A.M
JOB Name :

DUT Information

Equipment Number : JHR 003108
Serial Number : 110309G00035
Manufacturer : SCICAN
Model : STATIM 2000E
Location : KP SEKOLAH MENENGAH
Other :

Template Information

Template Name : 62353-Alt.STERILIZING
Pause after Power ON: NO
Power ON delay: 2
Test Speed: NORMAL
Halt on Test Failure: YES
Include Time: YES
Insulation Resistance \ 500V
Multi Enclosure Test : NO

Standard : IEC62353-Direct
Pause before Power ON: NO
Power OFF delay: 0
Test Mode: AUTO
Multi PE Test: NO
Multi Resstore: WORST/LAST
Reverse Polarity: YES
Classification: I

PLC Configuration-Applied part setup

AP Name	AP Type	AP Num
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ESA615 Test Results

Test Name	Value	High Limits	Low Limits	Status
Protective Earth Resistance	0.27 Ohm	0.3	-	P
Insulation Resistance				P
Mains to Protective Earth	24.9 MOhm	-	-	P
Mains Voltage				P
Live to Neutral	239.3 V	-	-	P
Neutral to Earth	2.5V	-	-	P
Live to Earth	237.9 V	-	-	P
Equipment Current	0.4 A	-	-	P
Direct Equipment Leakage				P
Open Earth	32.6 uA	500	-	P
Open Earth- Reversed Mains	36.3 uA	500	-	P