

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.	PWO372015	Schedule Month	March 2018
Work Order Date	01/03/2018	Completed Date	22/3/2018
Clinic Name	Klinik Pergigian Di Klinik Kesihatan Labuan	Clinic Code	WPL001
BE No.	WPL000596	Distict	LABUAN
BE Category	Package Sealers	WO Assigned to	Ashmawi
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)	

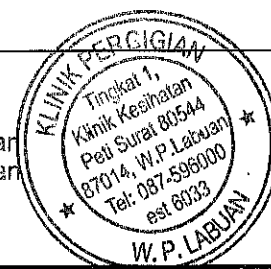
Reschedule Date	
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BE Third Party Calibration / Statutory Certification Details			
Company Name		Cal / Cert Date	
Contact Number	NA	Cal / Cert Expiry Date	NA

Action Taken
<p>↳ Check chassis, fittings, heater element, fuse and cable</p> <p>↳ Clean exterior then do some alignment.</p> <p>↳ Perform test, unit perform well (seen functioning good)</p>

Schedule Maintenance Execution Details				
SI No	QMS Engineer / Technician Name	Date	Start Time	End Time
		22/3/2018	1000	1030

Customer Remarks	
Engineer / Technician Signature Name Date	Customer Signature Name Designation Date Seal
[Signature] 22/3/2018	[Signature] HERMAN NOWI Juruteknologi Pergigian Klinik Pergigian Labuan 22/4/18




For Internal Use

First Verification
QMS Circle Incharge

JULIUS LIANSON
BIOMEDICAL ENGINEER, QMS
019-3020179

Final Verification
QMS State Incharge

DICKY LEE
SAGAH STATE MANAGER
QUANTUM MEDICAL SOLUTIONS SDN BHD

 Quantum Medical Solutions sdn bhd <small>Manufacturing, Innovative, Transforming Life</small>	Quantum Medical Solutions Sdn Bhd BEMS Planned Preventive Maintenance Checklist PACKAGE SEALERS BE CODE : 15-788	CHECKLIST NO: CL-108 REV.000					
PART 1 ASSET DETAILS							
WORK ORDER NO ▶ PWO 372015		ASSET NO ▶ WP L000596					
MANUFACTURER ▶ n/a		MODEL ▶ n/a					
FREQUENCY ▶ 3 MONTHLY () 6 MONTHLY () 12 MONTHLY (/)		PPM HOURS ▶ 0.5					
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			
	TEESA0085	ELECTRICAL SAFETY ANALYZER	3227039	10/1/2019			
	N/A	THERMOMETER	N/A	N/A			
PART 4 QUALITATIVE TASKS							
Tick (✓) where appropriate							
	PASS	FAIL	NA		PASS	FAIL	NA
1 Chassis - verify physical integrity, cleanliness and condition	(/)	()	()	7 Motor - verify physical Integrity	()	()	(/)
2 Power Cord - verify proper insulation and integrity	(/)	()	()	8 Heater - verify physical Integrity	(/)	()	()
3 Strain Relief - verify physical integrity at both ends of line cord	(/)	()	()	9 Check labels	(/)	()	()
4 Fittings/ Connectors - check all fittings/connectors	(/)	()	()	10 Calibrate	()	()	(/)
5 Controls/Switches - verify proper operation of controls	(/)	()	()				
6 Indicators/ Displays - verify proper illumination and operation	()	()	(/)				
7 Check fuse circuit breaker							
PART 5 PREVENTIVE MAINTENANCE TASKS							
Tick (✓) where appropriate							
	DONE	NOT DONE	NA		DONE	NOT DONE	NA
1 Clean/Inspect the Exterior & Interior	(/)	()	()	4 Check heater alignment	(/)	()	()
2 Lubricate bearings	(/)	()	()	Notes: * For all Parts, NA is defined as NOT APPLICABLE ** If you have ticked 'NOT DONE', then justify in Part 8 *** Choose Whichever Applicable			
3 Check motor alignment	()	()	(/)				



Quantum Medical Solutions sdn bhd
Ensuring safety & reliability, every day, every life

Quantum Medical Solutions Sdn Bhd

BEMS Planned Preventive Maintenance Checklist

PACKAGE SEALERS

BE CODE : 15-788

CHECKLIST NO: CL-108
REV.000

WORK ORDER NO ▶ PM 37 2015

PART 6 QUANTITATIVE TASKS

Tick (✓) where appropriate

No	Description	Units / UOM	Set Values	Measured Values	Limit/Tolerance	PASS	FAIL	NA
1	Temperature	°C		NA		()	()	(✓)

PART 7 ELECTRICAL SAFETY TEST

ELECTRICAL SAFETY TEST, (attach report)

(in accordance to IEC 60601)

☒ PASS

☐ FAIL

☐ NA

PART 8 NOTES

Lubricate the moving parts of the door hinges and motor with thin silicone grease.



CORRECTIVE MAINTENANCE REQUIRED



FUNCTIONING



NOT FUNCTIONING

WORK ORDER NO ▶ NA

NEXT PPM DATE ▶ 21/3/2019

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

COMPLETED BY:

DATE: 22/3/2018

Fluke Biomedical

Date 22/03/2018

Test Setup

Operator ID LBNBME
Calibration Tech
Calibration Date 10/01/2019
Firmware Version 2.08.01
Serial Number 3225028
Date & Time 22/03/2018 & 10:22
JOB Name

DUT Information

Equipment Number WPL 000596
Serial Number
Manufacturer
Model
Location KLINIK PERGIGIAN
Other

Template Information


Template Name	PACKAGE, SEALERS	Standard	IEC62353-Differential
Pause after Power ON	NO	Pause before Power OFF	NO
Power ON delay	2	Power OFF delay	0
Test Speed	RAPID	Test Mode	AUTO
Halt on Test Failure	YES	Multi PE Test	NO
Include Time	YES	Multi Resstore	WORST/LAST
Insulation Resistance Voltage	250V	Reverse Polarity	YES
Multi Enclosure Test	NO	Classification	I

PLC Configuration-Applied part setup

AP Name AP Type AP Num

ESA615 Test Results

Test Name	Value	High Limits	Low Limits	Status
Protective Earth Resistance	0.14 Ohm	0.3	-	P
Insulation Resistance				P
Mains to Protective Earth	999 MOhm	-	-	P
Mains Voltage				P
Live to Neutral	240.8 V	-	-	P
Live to Earth	10.4 V	-	-	P
Neutral to Earth	240.2 V	-	-	P
Equipment Current	10.1 A	-	-	P
Differential Leakage				P
Normal Condition	31 uA	500	-	P
Normal Condition-Reversed mains	47 uA	500	-	P


Signature

QUEENSLAND APPLIANCES
REPAIRS & MAINTENANCE
01 5571200