

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.	PWO371903	Schedule Month	March 2018
Work Order Date	01/03/2018	Completed Date	21/3/2018
Clinic Name	Klinik Pergigian Di Klinik Kesihatan Labuan	Clinic Code	WPL001
BE No.	WPL000602	Distict	LABUAN
BE Category	Dispensers	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	
-----------------	--

BE Third Party Calibration / Statutory Certification Details			
Company Name		Cal / Cert Date	
Contact Number	NA	Cal / Cert Expiry Date	NA
Action Taken			
checked physical all ok, clean body interior and exterior. lubricant moving part. tested run ok. ppm completed.			
ppm can risk out as per the old Asp			

Schedule Maintenance Execution Details				
SI No	QMS Engineer / Technician Name	Date	Start Time	End Time
	MOHD. ASHMAWI B MOHD HISHAM BIOMEDICAL TECHNICIAN, QMS 019-2634231	21/3/2018	2.30pm	3.30pm
Customer Remarks				
Engineer / Technician Signature		Customer Signature		
Name		Name		
Date		Date		
Seal		Seal		

For Internal Use

First Verification
QMS Circle Incharge

JULIUS LIAISON
BIOMEDICAL TECHNICIAN - QMS
019-2634231

Final Verification
QMS State Incharge

DIKICK LIFE
SARAWAK STATE MANAGER
QUANTUM MEDICAL SOLUTIONS



PART 1 ASSET DETAILS

WORK ORDER NO ▶ PWO 371703 ASSET NO ▶ WPM00602
MANUFACTURER ▶ M/L MODEL ▶ M/L
FREQUENCY ▶ 3 MONTHLY () 6 MONTHLY () 12 MONTHLY (X) PPM HOURS ▶ 1.0

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
	TESSA 0085	ELECTRICAL SAFETY ANALYZER	3227039	10/11/2019

PART 4 QUALITATIVE TASKS

Tick (✓) where appropriate

	PASS	FAIL	NA		PASS	FAIL	NA
1 Chassis - verify physical integrity, cleanliness and condition	(✓)	()	()	8 Pumps/ Motor - verify condition and operation	()	()	(✓)
2 Mount/ Fasteners - verify physical integrity	(✓)	()	()	9 Tubes / Hoses - verify condition of all tubes and hoses	(✓)	()	()
3 AC Plug - verify integrity	(✓)	()	()				
4 Power Cord - verify proper insulation and integrity	(✓)	()	()				
5 Fittings/ Connectors - check all fittings/connectors	(✓)	()	()				
6 Controls/Switches - verify proper operation and integrity	(✓)	()	()				
7 Indicator / Display - verify proper illumination and operation	(✓)	()	()				

PART 5 PREVENTIVE MAINTENANCE TASKS

Tick (✓) where appropriate


	DONE	NOT DONE**	NA
1 Clean exterior and interior of the equipment	(✓)	()	()
2 Align/Adjust - Mechanical parts	(✓)	()	()

Notes:

* For all Parts, NA is defined as NOT APPLICABLE

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

*** Choose Whichever Applicable

 Quantum Medical Solutions sdn bhd <small>transforming healthcare, transforming life</small>	Quantum Medical Solutions Sdn Bhd BEMS Planned Preventive Maintenance Checklist Dispensers BE CODE : 11-283	CHECKLIST NO: CL-058 REV.000						
WORK ORDER NO ▶ <u>PWO 371903</u>								
PART 6 QUANTITATIVE TASKS								
<i>Tick (✓) where appropriate</i>								
No	Description	Units / UOM	Set Values	Measured Values	Limit/Tolerance	PASS	FAIL	NA
	Accuracy - Volume delivered					()	()	(✓)
PART 7 ELECTRICAL SAFETY TEST								
ELECTRICAL SAFETY TEST, (attach report) <small>(in accordance to IEC 60601)</small> <div style="display: flex; justify-content: space-around; align-items: center;"> <input checked="" type="checkbox"/> PASS <input type="checkbox"/> FAIL <input type="checkbox"/> NA </div>								
PART 8 NOTES								
<div style="font-size: 2em; font-family: cursive;">EST CLASS I</div>								
<div style="display: flex; justify-content: space-between; align-items: center;"> <div> <input type="checkbox"/> CORRECTIVE MAINTENANCE REQUIRED </div> <div> <input checked="" type="checkbox"/> FUNCTIONING </div> <div> <input type="checkbox"/> NOT FUNCTIONING </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div> WORK ORDER NO ▶ <u>NA</u> </div> <div> NEXT PPM DATE ▶ <u>20/3/2019</u> </div> </div>								
PPM has been performed in accordance to the checklist and the equipment is functioning to the intended purpose. COMPLETED BY: <div style="text-align: center;"> MOHD. ASHMAWI B MOHD HISHAM BIOMEDICAL TECHNICIAN, QMS 019-2634231 </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div> DATE: <u>21/3/2018</u> </div> </div>								

Fluke Biomedical

Date 21/03/2018

Test Setup

Operator ID LBNBME
Calibration Tech
Calibration Date 10/01/2019
Firmware Version 2.08.01
Serial Number 8227028
Date & Time 21/03/2018 & 15:24
JOB Name

DUT Information

Equipment Number WPL 000602
Serial Number
Manufacturer
Model
Location KLINIK PERGIGIAN
Other

Template Information

Template Name DIPENSERS
Pause after Power ON NO
Power ON delay 2
Test Speed RAPID
Halt on Test Failure YES
Include Time YES
Insulation Resistance Voltage 250V
Multi Enclosure Test NO

Standard IEC62353-Differential
Pause before Power OFF 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

ESA615 Test Results

Test Name	Value	High Limits	Low Limits	Status
Protective Earth Resistance	0.12 Ohm	0.3	-	P
Insulation Resistance				P
Mains to Protective Earth	999 MOhm	-	-	P
Mains Voltage				P
Live to Neutral	240.9 V	-	-	P
Live to Earth	11.4 V	-	-	P
Neutral to Earth	239.7 V	-	-	P
Equipment Current	10.2 A	-	-	P
Differential Leakage				P
Normal Condition	39 μ A	500	-	P
Normal Condition-Reversed mains	47 μ A	500	-	P

Signature
MORD. ASHMAN B MORD NISHAM
BIOMEDICAL TECHNICIAN, QMS
019-2334231