

# Form B03

## Scheduled Maintenance Work Order



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

Work Order No.	PWO372033	Schedule Month	March 2018
Work Order Date	01/03/2018	Completed Date	22/3/2018
Clinic Name	Klinik Pergigian Di Klinik Kesihatan Lak	Clinic Code	WPL001
BE No.	WPL000595	Distict	LABUAN
BE Category	Water Purification Systems	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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<b>BE Third Party Calibration / Statutory Certification Details</b>			
Company Name		Cal / Cert Date	NA
Contact Number		Cal / Cert Expiry Date	
<b>Action Taken</b> ↳ Check chasis, fitting, fuse, cable and heater element. ↳ Clean exterior and interior. ↳ Perform test, unit perform well (FUNCTIONING GOOD)			

<b>Schedule Maintenance Execution Details</b>				
SI No	QMS Engineer / Technician Name	Date	Start Time	End Time
		22/3/2018	1030	1130


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 25/4/18



For Internal Use

First Verification  
QMS Circle Incharge  
JULIUS LIANSUN  
BIOMEDICAL ENGINEER, QMS  
019-3620279

Final Verification  
QMS State Incharge  
DIKHY LEE  
SISAH STATE MANAGER  
QUANTUM MEDICAL SOLUTIONS SDN BHD

 Quantum Medical Solutions sdn bhd <i>transcending boundaries. transforming life</i>	<b>Quantum Medical Solutions Sdn Bhd</b> BEMS Planned Preventive Maintenance Checklist <b>Water Purification Systems</b> BE CODE :15-612	CHECKLIST NO: CL-170 REV.000					
<b>PART 1 ASSET DETAILS</b>							
WORK ORDER NO ▶ PWO 332033		ASSET NO ▶ WPL 00595					
MANUFACTURER ▶ A12		MODEL ▶ 212					
FREQUENCY ▶ 3 MONTHLY ( ) 6 MONTHLY ( ) 12 MONTHLY ( / )		PPM HOURS ▶ 1.0					
<b>PART 2 SPECIAL PRECAUTION</b>							
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.							
<b>PART 3 TEST APPARATUS</b>							
<i>Tick (✓) where appropriate</i>							
NO	ASSET NO	DESCRIPTION	SERIAL NO	CALIBRATION DUE ON			
1	TEESA00085	ELECTRICAL SAFETY ANALYZER	3227039	10/1/2019			
<b>PART 4 QUALITATIVE TASKS</b>							
<i>Tick (✓) where appropriate</i>							
	PASS	FAIL	NA		PASS	FAIL	NA
1 Chassis - verify physical integrity, cleanliness and condition	( / )	( )	( )	9 Indicators/ Displays - verify proper illumination and operation	( )	( )	( / )
2 Mount/ Fasteners - verify physical integrity	( / )	( )	( )	10 AC Plug - verify integrity	( / )	( )	( )
3 Power Cord - verify physical integrity	( / )	( )	( )	11 Label - verify physical integrity	( / )	( )	( )
4 Alarms/ Interlocks - check all alarms available	( )	( )	( / )	12 Accessories - Examine for accessories and general physical condition	( / )	( )	( )
5 Circuit Breaker/ Fuse - verify integrity of external circuit breaker and/or rating of external fuse	( / )	( )	( )	13 Fittings/ Connectors - check all fittings/connectors	( / )	( )	( )
6 Strain Relief - verify physical integrity at both ends of line cord	( / )	( )	( )	14 Tube/Hose - verify physical condition	( / )	( )	( )
7 Controls/Switches/Keypad/Dial - verify proper operation of controls	( / )	( )	( )	15 Motor/ Pump - Verify physical integrity	( )	( )	( / )
8 Cables - verify integrity	( / )	( )	( )				
<b>PART 5 PREVENTIVE MAINTENANCE TASKS</b>							
<i>Tick (✓) where appropriate</i>							
	DONE	NOT DONE	NA				
1 Inspect , Clean Interior and Exterior	( / )	( )	( )	Notes:  * For all parts, NA is defined as NOT APPLICABLE ** If you have ticked 'NOT DONE', then justify in Part 8 *** Choose whichever applicable			
2 Filter - Check/Clean/Replace***	( / )	( )	( )				
3 Tube /Hose - Check/Replace***	( / )	( )	( )				



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## Quantum Medical Solutions Sdn Bhd

BEMS Planned Preventive Maintenance Checklist  
Water Purification Systems  
BE CODE : 15-612

CHECKLIST NO: CL-170  
REV.000

WORK ORDER NO ▶

pmo 37 2033

### PART 6 QUANTITATIVE TASKS

Tick (✓) where appropriate

No	Description	Units / UOM	Set Values	Measured Values	Limit/Tolerance	PASS	FAIL	NA

### PART 7 ELECTRICAL SAFETY TEST

ELECTRICAL SAFETY TEST, (attach report)

☒ PASS

☐ FAIL

☐ NA

### PART 8 NOTES

Part 5 - Item 2

Please indicate the part number, description of PPM Kit and any repair work to be carried out (if any) :

☐ 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	3227039
Date & Time	22/03/2018 & 11:20
JOB Name	

### DUT Information

Equipment Number	WPL 000595
Serial Number	
Manufacturer	
Model	
Location	KLINIK PERGIGIAN
Other	

### Template Information

Template Name	WATER PURIFICATION
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
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### ESA615 Test Results

Test Name	Value	High Limits	Low Limits	Status
Protective Earth Resistance	0.19 Ohm	0.3	-	P
Insulation Resistance	-	-	-	P
Mains to Protective Earth	999 MOhm	-	-	P
Mains Voltage	-	-	-	P
Live to Neutral	241.3 V	-	-	P
Live to Earth	11.8 V	-	-	P
Neutral to Earth	240.6 V	-	-	P
Equipment Current	12.1 A	-	-	P
Differential Leakage	-	-	-	P
Normal Condition	43 uA	500	-	P
Normal Condition-Reversed mains	57 uA	500	-	P

*Cur*

Signature

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DATE 01-28-2009