

Form B03

Scheduled Maintenance Work Order



Quantum Medical Solutions sdn bhd
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Format Ref: - QMS/TSD-022 Rev.01

Work Order No.	PWO366599	Schedule Month	July 2018
Work Order Date	01/07/2018	Completed Date	10/7/2018
Clinic Name	Klinik Kesihatan Sungai Rengit	Clinic Code	JHR047
BE No.	JHR008652	Distict	KOTA TINGGI
BE Category	Light, Examination	WO Assigned to	ktgbme3
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 type="checkbox"/> Preventive Maintenance (PM)	<input type="checkbox"/> Third Party Calibration (TPC)	
	<input checked="" type="checkbox"/> Routine Inspection (RI)	<input type="checkbox"/> Statutory Certification (SC)	

Reschedule Date	NA
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BE Third Party Calibration / Statutory Certification Details			
Company Name	NA	Cal / Cert Date	NA
Contact Number	NA	Cal / Cert Expiry Date	NA
Action Taken			
<input checked="" type="checkbox"/> PM / RI job done as per checklist. Unit tested functioning good & ready to use.		Manufacturer: -	
<input type="checkbox"/> Corrective Maintenance / <input type="checkbox"/> Breakdown		Model: KD-200	
BE Sticker Availability: <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> NA		Serial No: -	
Remarks:			

Schedule Maintenance Execution Details				
SI No	QMS Engineer / Technician Name	Date	Start Time	End Time
Up	SAFWAN	10/7/18	14 ⁰⁰	14 ³⁰

Customer Remarks	Up
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Engineer / Technician Signature	Customer Signature
Name	Name
Date	Date
MOHAMAD SAFWAN BIN ROSLAN Biomedical Technician Quantum Medical Solution Sdn. Bhd 10/7/18	NORHASRAN HINTI BAHRUN Jururawat Kesihatan U29 KK Sungai Rengit 10/7/18
	Seal

For Internal Use

MUHD RAMADHAN B. TAMAR JAYA
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First Verification

QMS Circle Incharge

Final Verification

QMS State Incharge



KEMENTERIAN KESIHATAN MALAYSIA

MEET Planned Preventive Maintenance Checklist

Light, Examination

BE CODE : 12-278

CHECKLIST NO: CL-091-000
REV.000

PART 1 ASSET DETAILS

WORK ORDER NO ▶ PW0366599 BE NO ▶ JHR008652
MANUFACTURER ▶ — MODEL ▶ KD-200
FREQUENCY ▶ 12 MONTHLY (✓) PPM HOURS ▶ 0.50

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	TESSA0010	ELECTRICAL SAFETY ANALYZER	3218071	24/8/18

PART 4 QUALITATIVE TASKS

Tick (✓) where appropriate

- | | |
|---|-------------|
| 1 Chassis - Verify physical integrity, cleanliness and condition. | (✓) () () |
| 2 Fittings/Connectors - Verify integrity. | (✓) () () |
| 3 Controls/Switches - Verify proper operation of controls. | (✓) () () |
| 4 Easy handling of all the articulation - Verify performance. | (✓) () () |
| 5 Brightness - Verify operation. | (✓) () () |

PART 5 PREVENTIVE MAINTENANCE TASKS

Tick (✓) where appropriate

- | | DONE | NOT DONE ** | NA |
|---|-------------|-------------|----|
| 1 Lense - Check and clean. | (✓) () () | | |
| 2 Cleanliness - Clean the exterior/interior of the equipment. | (✓) () () | | |
| 3 Bulb - Check/replace*** | (✓) () () | | |

Notes:

4 Bulb holder - Check/replace***

Notes:

* For all Parts, NA is defined as NOT APPLICABLE

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

*** Choose Whichever Applicable

Test Setup

Operator ID :
 Calibration Tech : MOHANA
 Calibration Date : 24/08/2018
 Firmware Version : 2.08.01
 Serial Number : 3218071
 Date & Time : 10/07/2018 & 02:15pm
 JOB Name :

DUT Information

Equipment Number : JHR008652
 Serial Number :
 Manufacturer :
 Model :
 Location : KK SUNGAI RENGIT
 Other :

Template Information

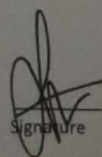
Template Name :	LIGHT	Standard :	IEC60601-1-2nd Ed
Pause after Power ON:	NO	Pause before Power OFF:	NO
Power ON delay:	2	Power OFF delay:	0
Test Speed:	NORMAL	Test Mode:	AUTO
Halt on Test Failure:	YES	Multi PE Test:	NO
Include Time:	YES	Multi Resstore:	WORST/LAST
Insulation Resistance Voltage	500V	Reverse Polarity:	YES
Multi Enclosure Test :	NO	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	0.361 Ohm	0.2 -		F
Insulation Resistance				P
Mains to Protective Earth	49.0 MOhm	-		P
Mains to Non-Earth Accessible Conductive Part	999 MOhm	-		P
Mains Voltage				P
Live to Neutral	259.5 V	-		P
Neutral to Earth	5.4 V	-		P
Live to Earth	254.0 V	-		P
Equipment Current	0.0 A	-		P
Earth Leakage Current				P
Normal Condition	50.6 uA-OP	500 -		P
Open Neutral	58.9 uA-OP	1000 -		P
Open Neutral- Reversed Mains	27.4 uA-OP	1000 -		P
Normal Condition- Reversed Mains	15.4 uA-OP	500 -		P
Enclosure Leakage Current				P
Normal Condition	0.6 uA-OP	100 -		P
Open Earth	1.1 uA-OP	500 -		P
Open Neutral	0.7 uA-OP	500 -		P
Open Neutral- Reversed Mains	0.7 uA-OP	500 -		P
Normal Condition- Reversed Mains	0.6 uA-OP	100 -		P
Open Earth- Reversed Mains	0.7 uA-OP	500 -		P


 Signature